HANNspree

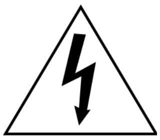
19”

Liquid Crystal Display Television
Fernsehers mit Flüssigkristallanzeige
TV LCD
TV de Pantalla de Cristal Líquido
Questo televisore LCD
LCD (vloeibaar-kristalscherm) TV
Televisor com Ecrã de Cristais Líquidos

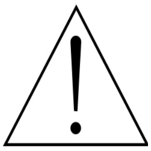
User’s Manual

HANNSPREE, INC.
www.hannspree.com

Explanation of WARNING Symbols



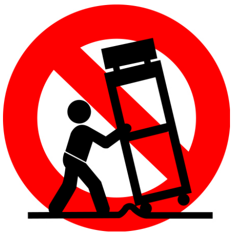
Dangerous Voltage: The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence dangerous voltage within the inside of the product that may be sufficient level to constitute a risk of electric shock to persons.



Instruction: The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and servicing instructions in the literature accompanying the appliance.

Safety instructions

1) Read these instructions.
2) Keep these instructions.
3) Heed all warnings.
4) Follow all instructions.
5) Do not use this LCD TV near water.
6) Clean only with dry cloth. Do not use liquid, alcohol, or aerosol cleaners.
7) Do not block any ventilation openings. Install your LCD TV in a well-ventilated area.
8) Keep your LCD TV away from moisture, excessive dust and any heat sources, such as radiators, heat registers, stoves, or any other apparatus (including amplifiers) that produce heat.
9) Do not remove the back cover. There are no user-serviceable parts inside.
10) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
11) Protect the power cord from being walked on or pinched particularly at plugs, receptacles, and the point where they exit from the LCD TV.
12) Never rest objects on the power cord or place it in high traffic areas. It is better to use the point where they exit from the apparatus.
13) Only use attachments/accessories specified by the manufacturer.
14) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the LCD TV. When a cart is used, use caution to avoid injury from tip-over.
15) Unplug this LCD TV during lightening storms or when unused for long periods of time.
16) Refer all servicing to qualified service personnel-- Servicing may be required if the LCD TV has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



17) Do not expose your LCD TV to dripping or splashing, and no objects filled with liquids be placed on it.
18) The Shock Hazard Marking and Associated Graphical Symbol are provided on the back panel of unit.
19) This product is only to perform the useful function of entertainment and visual display tasks are excluded.
20) Wall or ceiling mounting: When mounting the product on a wall or ceiling, be sure to install the product according to the method recommended by the manufacturer. Use only their indicated mounting hardware for safety.

CAUTION: Any damage caused by incorrectly attempting to mount this LCD TV is not covered under the terms of the manufacturers warranty.

WARNING: To reduce the risk of fire or electric shock, do not expose this LCD TV to rain or moisture.

According to WEEE regulation, this monitor can't be handled as normal trash in Europe when it is out of usage. Please refer to the recycle information from our website to handle it.

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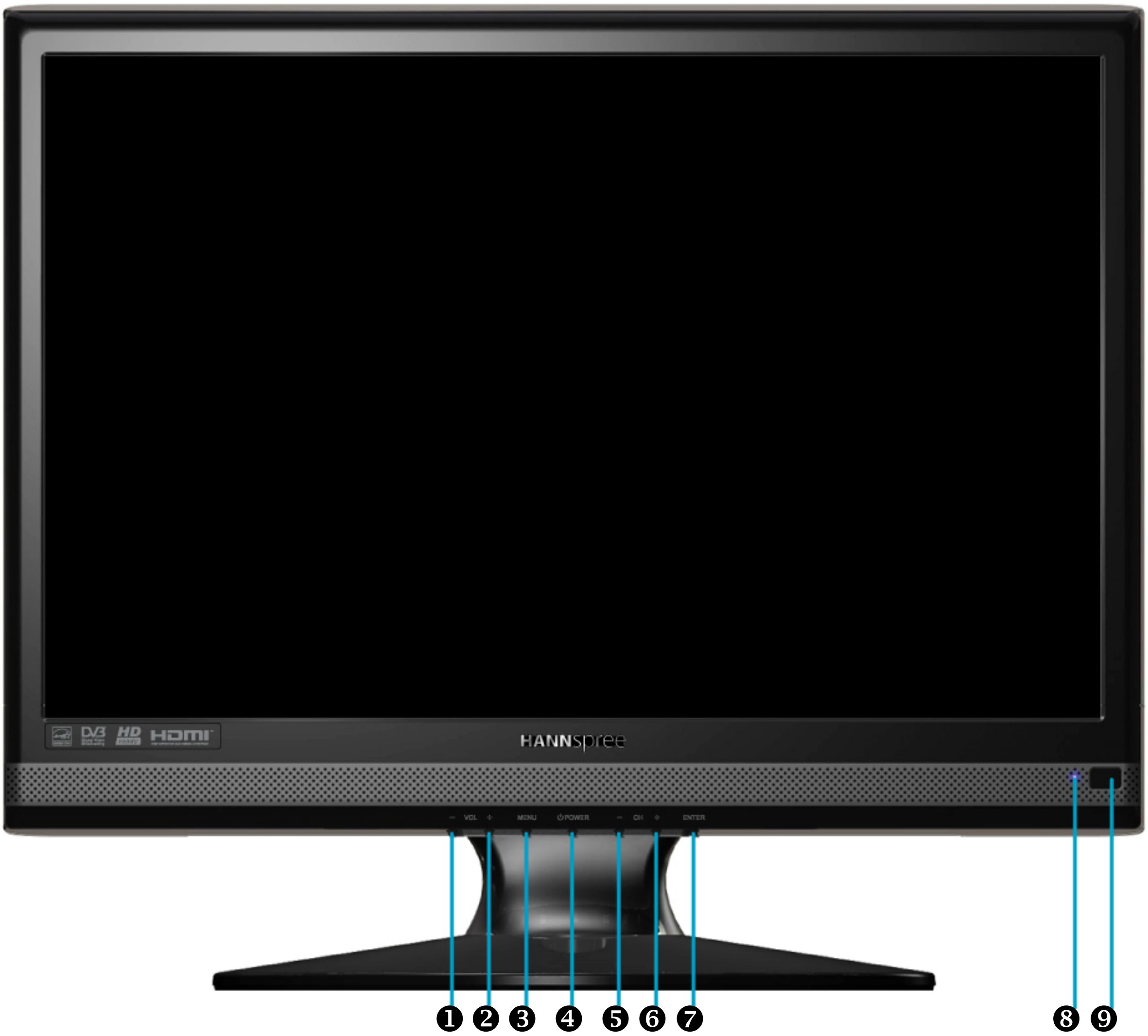
ACCESSORIES

Thank you for purchasing this LCD-TV of high performance!
This LCD-TV package comes with:

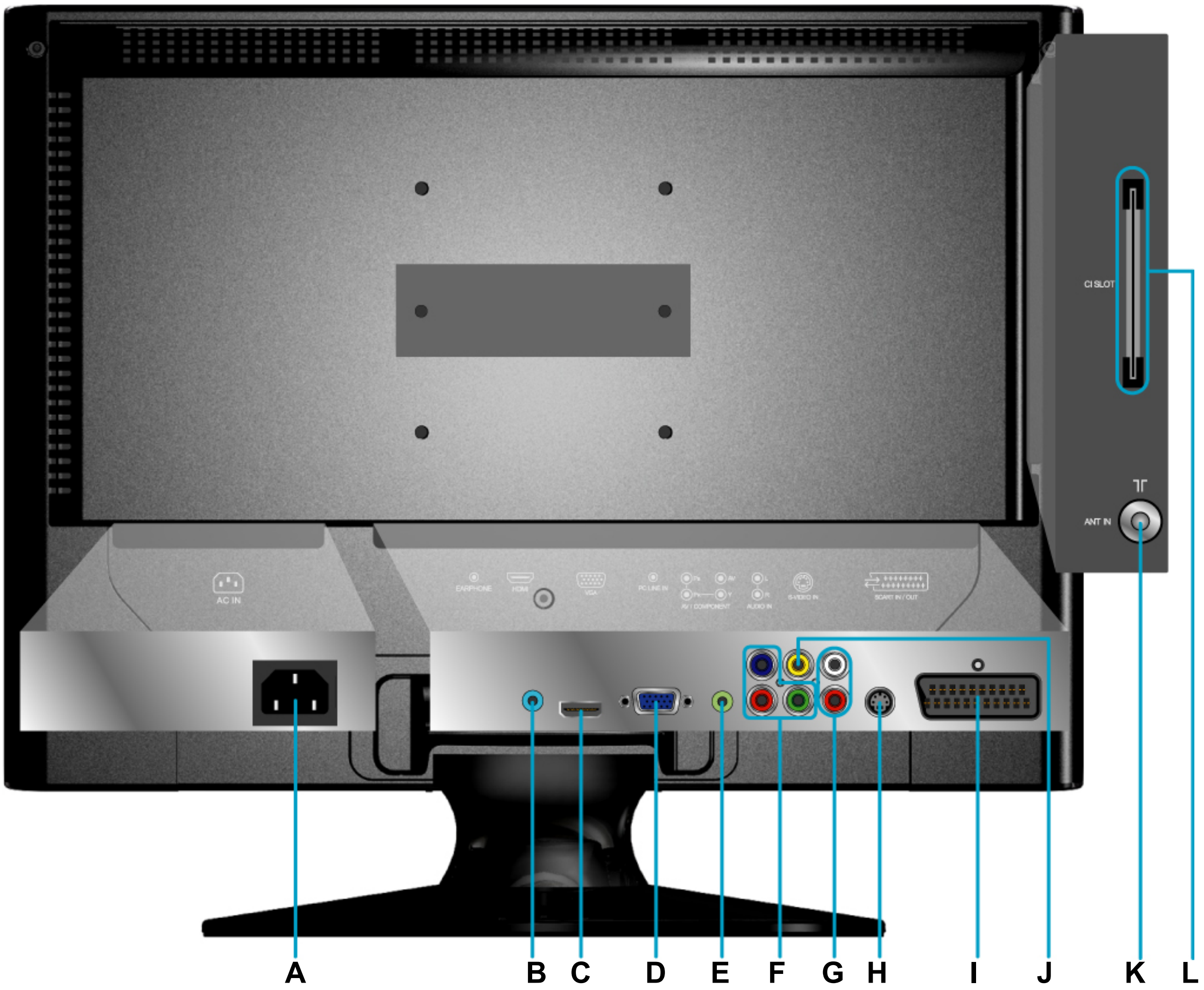
- LCD TV
- User’s Manual
- Quick Start Guide
- Warranty Card
- Remote Control
- Battery AAA x 2
- Power Cord

FRONT PANEL CONTROL


HANNspree
– VOL +
MENU
POWER
– CH +
ENTER
❶
❷
❸
❹
❺
❻
❼
❽
❾

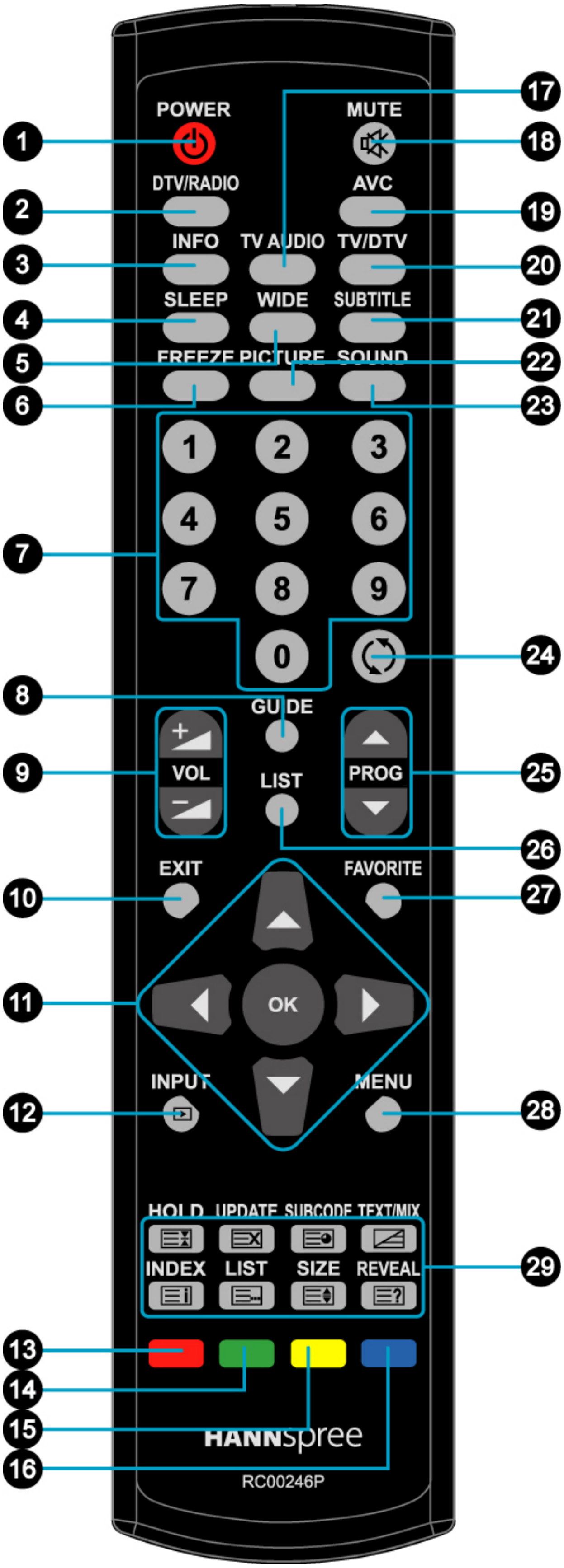
❶	Volume Down (Adjust Decreasing)
❷	Volume Up (Adjust Increasing)
❸	On Screen Display Menu Key (Back to Previous Menu)
❹	Power On/Off Switch
❺	Scroll Down (Channel Down)
❻	Scroll Up (Channel Up)
❼	Input Source Selection (Enter)
❽	Power LED Indicator
❾	Remote Control Receiver

BACK PANEL CONTROL



A	Power Input (AC Input)
B	Headphone Jack
C	HDMI (support HDCP or PC) Signal Input
D	VGA (15 pin) Signal Input from Computer
E	Audio Input for VGA or DVI
F	YPbPr / HD Component Video Input
G	Audio Input for AV, S-Video or YPbPr components (left/ right)
H	S-Video Input
I	SCART Signal Input
J	Composite Video Input
K	RF Antenna / Cable TV Input
L	CI Slot

REMOTE CONTROL


POWER
MUTE
DTV/RADIO
AVC
INFO
TV AUDIO
TV/DTV
SLEEP
WIDE
SUBTITLE
FREEZE
PICTURE
SOUND
1
2
3
4
5
6
7
8
9
0
GUIDE
VOL
LIST
PROG
EXIT
FAVORITE
OK
INPUT
MENU
HOLD
UPDATE
SUBCODE
TEXT/MIX
INDEX
LIST
SIZE
REVEAL
HANNspree
RC00246P
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29

Function of remote control button

1	**POWER**	Power ON/OFF
2	**DTV/RADIO**	Digital TV function. Switch between DTV/RADIO programs
3	**INFO**	Display the current information
4	**SLEEP**	Set TV Sleep timer
5	**WIDE**	Adjust image size for Full, Zoom, Subtitle, Panorama, Underscan or Normal. It has different image size effect depending on different source
6	**FREEZE**	Freeze picture
7	**0~9 NUMBER**	Switch channel number keys
8	**GUIDE**	Select electronic program guide (EPG) on Digital TV
9	**VOL UP/ DOWN**	Adjust volume up or down
10	**EXIT**	OSD exit
11	**UP/ DOWN/ LEFT/ RIGHT/ OK**	UP/ DOWN/ LEFT/ RIGHT: Select or adjust the function of OSD OK: Confirm the selection (in OSD menu)
12	**INPUT**	Select input source
13	**RED**	Function key for teletext, program edit, or electric program guide
14	**GREEN**	Function key for teletext, program edit, or electric program guide
15	**YELLOW**	Function key for teletext, program edit, or electric program guide
16	**BLUE**	Function key for teletext, program edit, or electric program guide
17	**TV AUDIO**	Select sound modulation in ATV / Select audio language in DTV
18	**MUTE**	Volume mute ON/OFF
19	**AVC**	The tuner contains automatic volume control circuitry (AVC) to prevent converter overload
20	**TV/DTV**	Swap between ATV/DTV. Swap to the last TV source when in other source
21	**SUBTITLE**	ATV: Switch between available subtitle languages DTV: Display subtitle language selection box
22	**PICTURE**	Select situation mode for picture
23	**SOUND**	Reverb Sound effect selections on Standard, Music, Movie, Sports, and User
24	**RETURN**	Return to previous channel
25	**PROGRAM UP/ DOWN**	Select up or down programs
26	**LIST**	Display channel list
27	**FAVORITE**	Display favorite list
28	**MENU**	OSD menu ON/OFF
29	**TELETEXT FUNCTION CONTROL button**	Please refer to page 6-7

Teletext function control button

TEXT/ MIX/ PICTURE button

- In TV Mode: Press the TEXT/ MIX/ PICTURE button to enter the Teletext mode.
- In TELETEXT Mode: Press the button again to superimpose a Teletext broadcast onto the screen of current TV program (mixed Mode).
- In MIXED Mode: Press the button again to return back to the normal TV Screen (current program).

SUBCODE button

When a selected Teletext page with hidden sub pages or timed pages, these pages can be seen by the following manner:

- Press the sub code button. Screen will show « /0001 ».
- Enter 4 digits number button corresponding to the sub page desired. E.g. 0001 for sub page number 1.
- Wait until the page appears.

UPDATE button

- Input a page number, and then press this button. The teletext page will be closed and will show the update symbol+- on the top left corner. When the update symbol changes to the page number, it means the page is complete downloaded.
- Press this button again to open the teletext page.

HOLD button

- Press this button to remove the information from the display and stop the automatic page change which will occur if a teletext page consists of 2 or more sub pages.
- To continue press this button again. The number of sub pages and the sub page displayed is, usually, shown on the screen below the time. When this button is pressed the stop symbol is displayed at the left-top corner of the screen and the automatic changing is inhibited.

REVEAL button

- Press this button to display concealed information, such as solutions of riddles or puzzles.
- Press this button again to remove the information from the display.

SIZE button

Select double height text under Teletext mode for full screen.

- Press this button to enlarge the top half of the page.
- Press this button again to enlarge the bottom half of the page.
- Press this button again to return to the normal display.

LIST button

- Press this button you force the Teletext to LIST Mode. It means that row 24 (bottom row of Teletext) will not have transmitting information, only the pages that you have previously stored in the memory.
- Press LIST button again to exit from LIST Mode to Teletext.

INDEX button

- Press the Index button to return back to index page.
  When you press this button in Teletext mode, a CURSOR appears. This cursor (rectangular box) contains a page number and you can select the desired page simply by using the four colours.
- RED button: Move cursor down.
- GREEN button: Move cursor up.
- YELLOW button: Change from current page to selected page.
- BLUE button: Exit the CURSOR Mode.

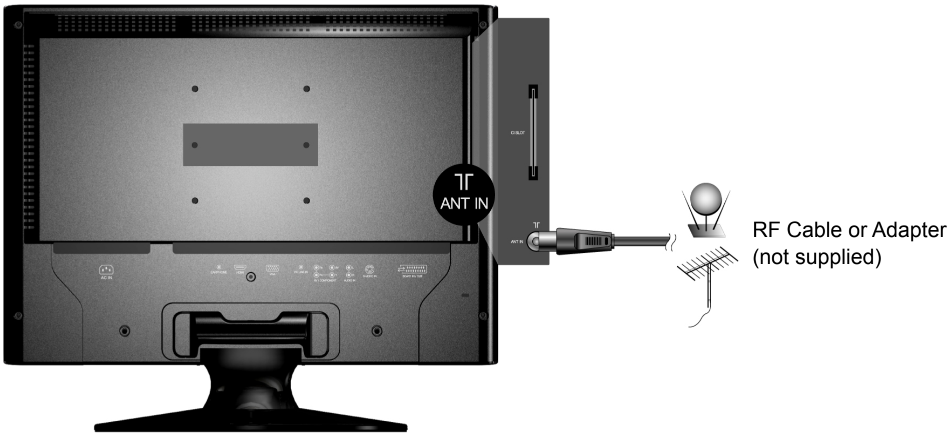
***Note:** Please use **PROG ▲▼** button to visit previous or next teletext page.*

INSTALLATION

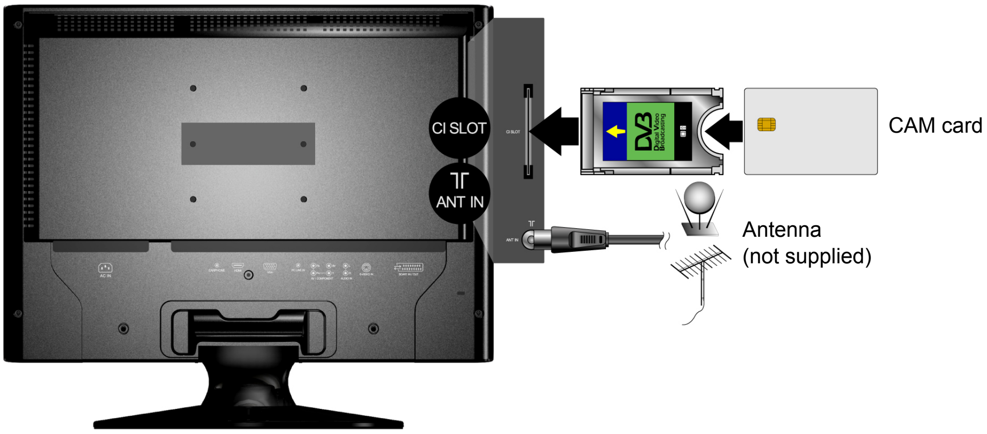
Connecting RF antenna, Cable TV Wire or DTV cable

Make sure the power is OFF before installing your LCD TV.

1) **ATV:** Connect the LCD TV to TV antenna or set-top-box with 75-ohm coaxial cable. Preset the TV channels into memory with **Auto Tuning** function (See page 26) when using an antenna or cable TV system without a cable connecter box.


ANT IN
CI SLOT
RF Cable or Adapter
(not supplied)

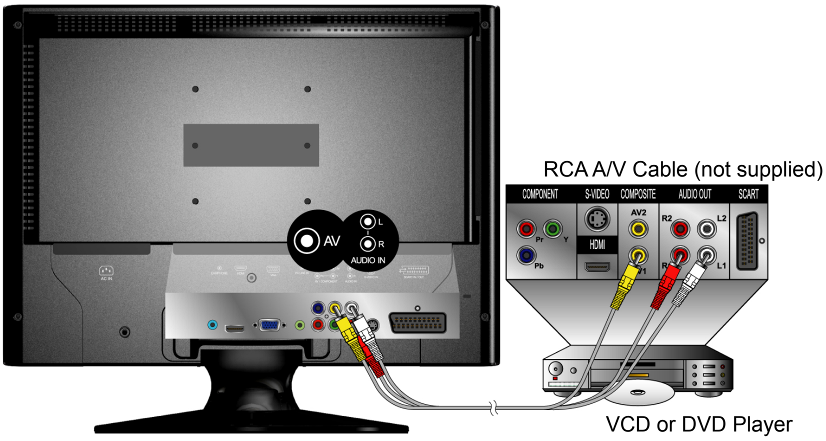
2) **DTV:** Connect the LCD TV to an antenna for Digital TV. To receive DTV programs, perform **Auto Tuning** function (see page 26) for the first time. To watch subscription channels, insert the CAM card into the CAM card slot.


CI SLOT
ANT IN
DVB
CAM card
Antenna
(not supplied)

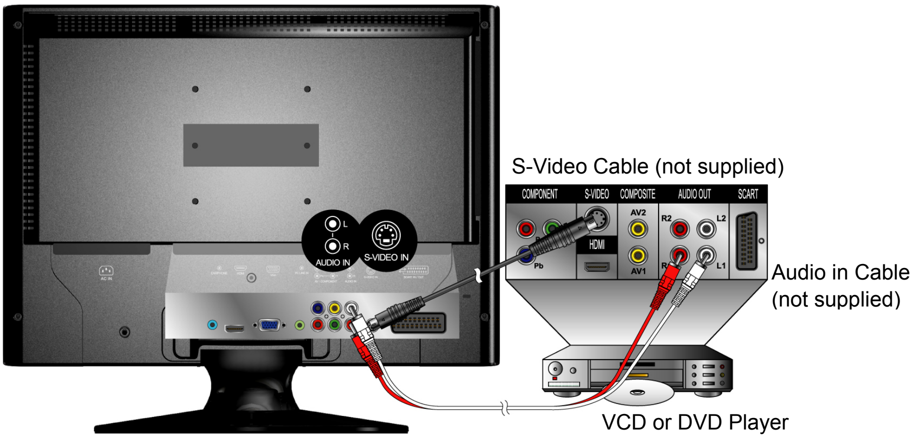
Connecting to DVD/ Set Top Box

Connect Video/ Audio cables from compatible devices into the back panel of LCD TV.

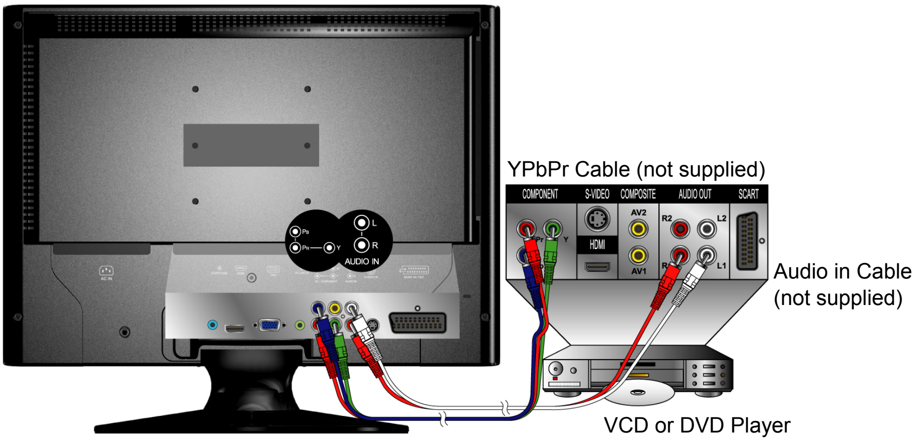
1) **With RCA A/V cable:**


AV
L
R
AUDIO IN
RCA A/V Cable (not supplied)
COMPONENT
S-VIDEO
COMPOSITE
AUDIO OUT
SCART
AV2
R2
L2
Pr
Y
Pb
HDMI
R1
L1
VCD or DVD Player

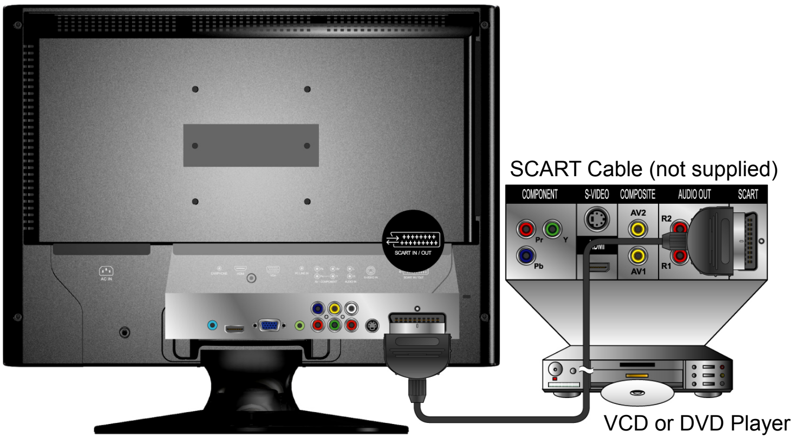
2) With S-Video cable:


S-Video Cable (not supplied)
COMPONENT
S-VIDEO
COMPOSITE
AUDIO OUT
SCART
AV2
HDMI
AV1
R2
L2
L1
Pb
L
R
AUDIO IN
S-VIDEO IN
Audio in Cable
(not supplied)
VCD or DVD Player

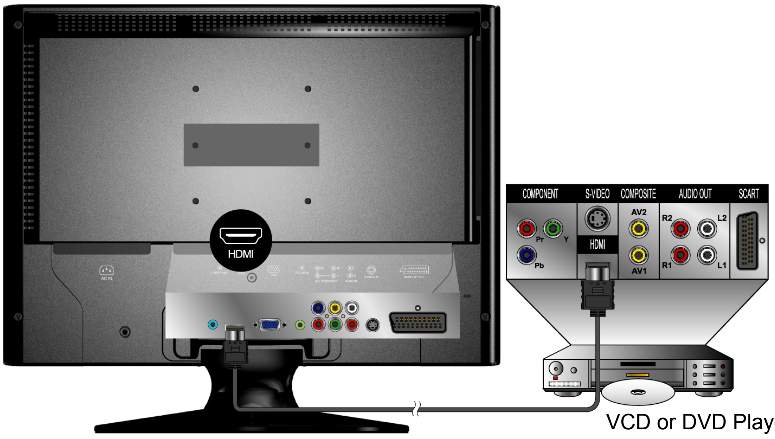
3) With YPbPr cable:


YPbPr Cable (not supplied)
COMPONENT
S-VIDEO
COMPOSITE
AUDIO OUT
SCART
AV2
HDMI
AV1
R2
L2
L1
Pb
Pr
Y
L
R
AUDIO IN
Audio in Cable
(not supplied)
VCD or DVD Player

4) With SCART cable:


SCART Cable (not supplied)
COMPONENT
S-VIDEO
COMPOSITE
AUDIO OUT
SCART
AV2
AV1
R2
R1
Pr
Y
Pb
SCART IN / OUT
VCD or DVD Player

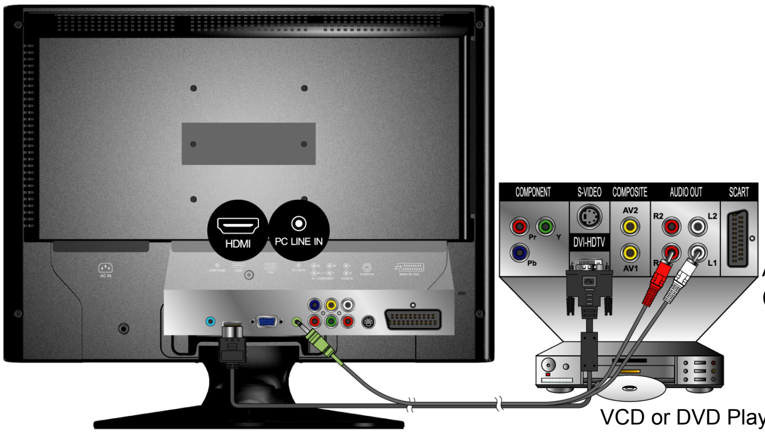
5) With HDMI cable:


HDMI
COMPONENT
S-VIDEO
COMPOSITE
AUDIO OUT
SCART
Pr
Y
Pb
HDMI
AV2
AV1
R2
L2
R1
L1

VCD or DVD Player

HDMI Cable (not supplied)

6) With HDMI to DVI cable:


HDMI
PC LINE IN
COMPONENT
S-VIDEO
COMPOSITE
AUDIO OUT
SCART
Pr
Y
Pb
DVI-HDTV
AV2
AV1
R2
L2
R
L1

Audio Cable
(not supplied)

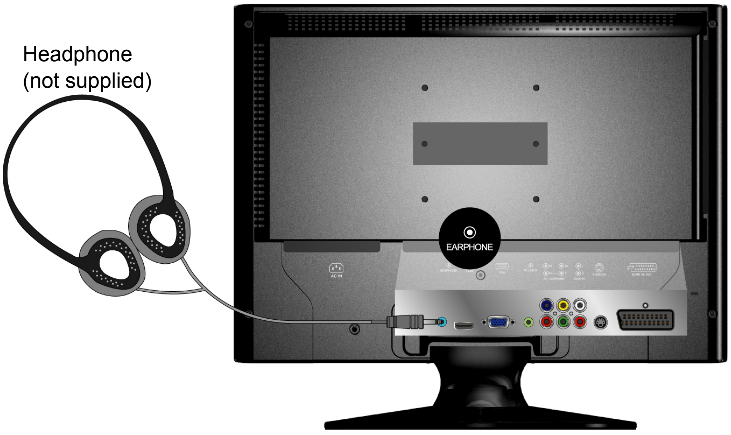
VCD or DVD Player

HDMI-DVI Cable (not supplied)

Connecting to the Headphone

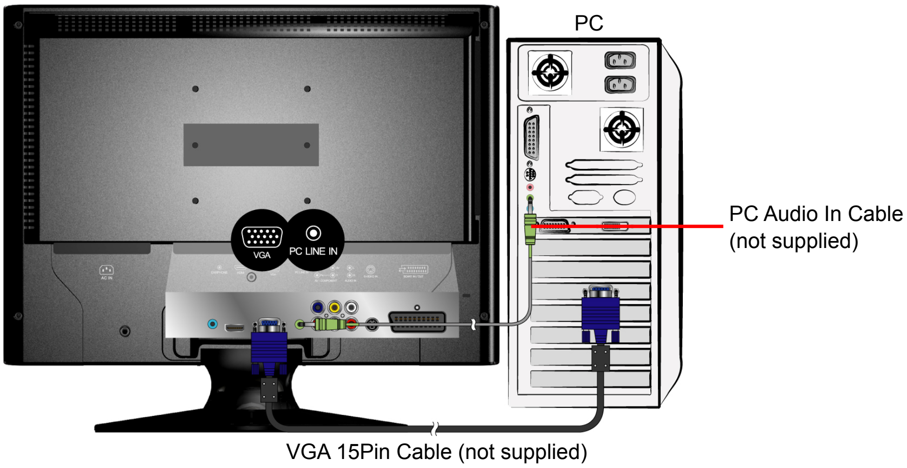
Connect the headphone to the headphone output terminal of the LCD TV. (Headphone sold separately)

Headphone
(not supplied)

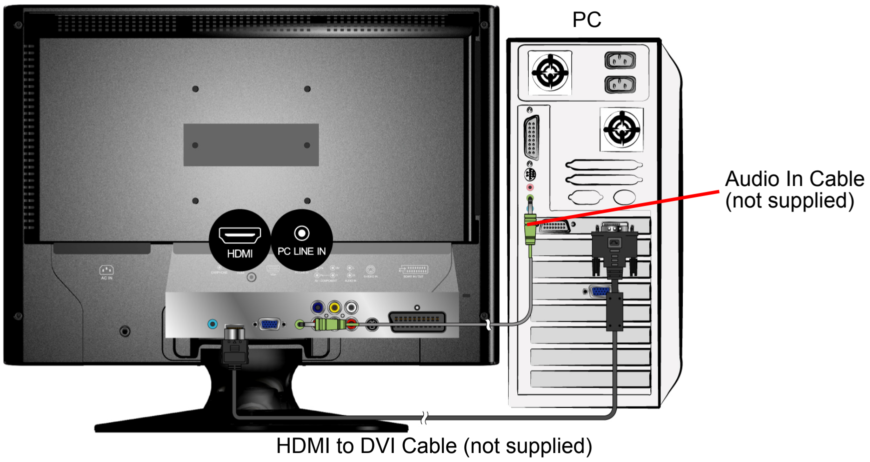


Connecting to a Computer

1) **VGA (15pin D-Sub):** Connect the VGA cable from VGA output of the computer to the VGA terminal input of your LCD TV. Also, connect the Audio In cable (green) from the audio output of your computer to the audio input terminal (green) of the LCD TV.

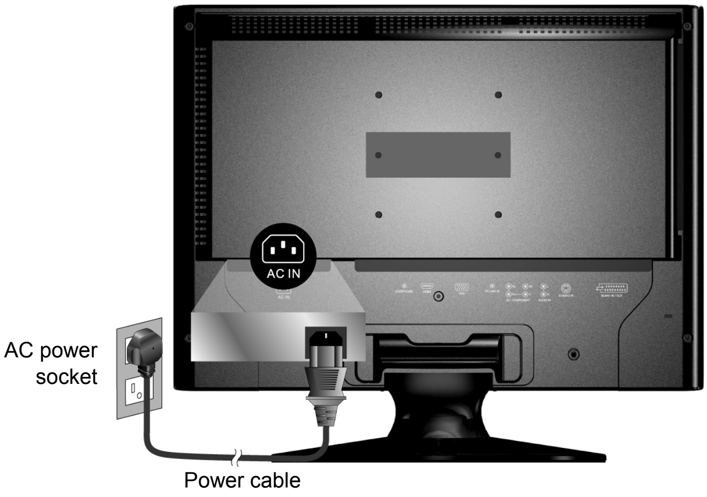

PC
PC Audio In Cable
(not supplied)
VGA
PC LINE IN
VGA 15Pin Cable (not supplied)

2) **HDMI-DVI cable:** Connect the HDMI-DVI cable from the DVI output of the computer to the HDMI terminal input of the LCD TV. Also, connect the green end of the Audio In cable from the audio output of your computer to the audio input terminal (green) of the LCD TV.


PC
Audio In Cable
(not supplied)
HDMI
PC LINE IN
HDMI to DVI Cable (not supplied)

Connecting with the Power Cord

Connect the power cord to the power cord connector on the back of your LCD TV, and plug the other end of the power cord into a correctly grounded electrical outlet.


AC IN
AC power
socket
Power cable

BASIC OPERATION

Before using the LCD TV:
Connect external equipments properly.
Insert the power plug, and the power LED indicator will light red.

To operate your LCD TV, you may use the TV remote control or bottom panel buttons to select input source, change channels, or adjust volume.

Power On/Off

To turn the LCD TV on/off:
Press **POWER** button on the bottom of LCD TV or press **POWER** button on your remote control to turn on/off the TV. The power LED indicator lights green when the LCD TV is on.

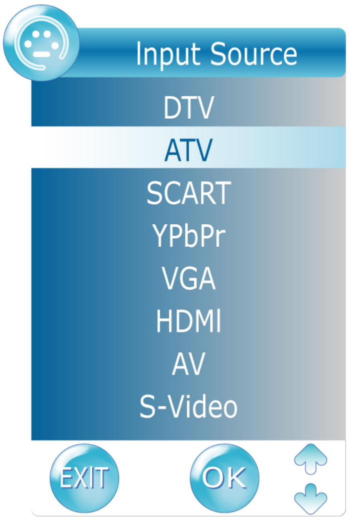
Note:

1. When there is no signal in the PC mode, the power LED indicator lights red after a few seconds' idleness.

2. Colour of LED indicator is per brand designed for ON.

Selecting input source

Press the **INPUT** button on the remote control, and use ▲▼ to select the required input source between DTV, ATV, SCART, YPbPr, VGA, HDMI, AV, or S-Video, and then press **OK** to confirm.



Volume Adjust

Press **VOL+/-** to adjust volume.
To turn off the volume, press **MUTE**.
To restore volume, press **MUTE** again, or press **VOL+/-** directly.

Channel Select

Press number buttons or **PROG** ▲▼ buttons to select the desired channels.
Return to previous channel, press **RETURN** button.

Sleep Time Setting

Repeatedly press **SLEEP** key to set the off timer. The function is used to automatically shut off the LCD TV after a preset period of time passed.
There are several times for choice – Off, 10min, 20min, 30min, 60min, 90min, 120min, 180min and 240min.
To cancel Sleep Time function, choose Off.

Sound Mode Select

Repeatedly press **SOUND** key to select the sound mode between Standard, Music, Movie, Sports, and User.

Picture Mode Select

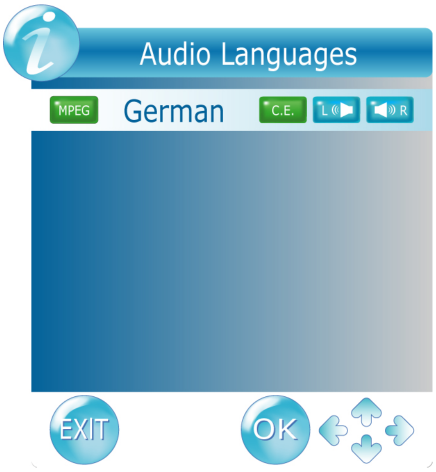
Repeatedly press **PICTURE** key to select picture mode between Standard, Mild, User, and Dynamic.

Aspect Ratio

Repeatedly press **WIDE** key to select the aspect ratio of screen. You can select between Full, Zoom, Subtitle, Panorama, Underscan (or Auto) or Normal. You can select "UnderScan" to switch image to full screen when in HDMI source.

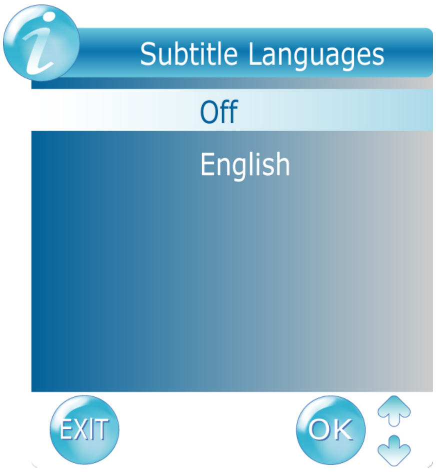
TV AUDIO

Press the **TV AUDIO** key to display audio channel information and select the Audio Language (in DTV). In TV, select MTS sound.



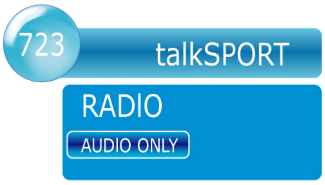
Subtitle Select

Press the **SUBTITLE** key to select subtitle language. Use ▲ or ▼ button to select subtitle language. By selecting through the Subtitle key, the setting can only last until the TV is switch off, and will not be saved. To save the subtitle setting, select from the Subtitle Language in OPTION menu.



DTV/RADIO

Press the **DTV/RADIO** key to switch between DTV and RADIO programs.


723
talkSPORT
RADIO
AUDIO ONLY

Hawksbee and jacobs

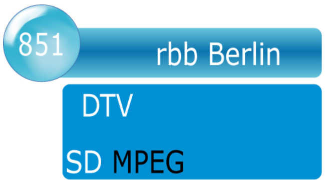
TV/DTV

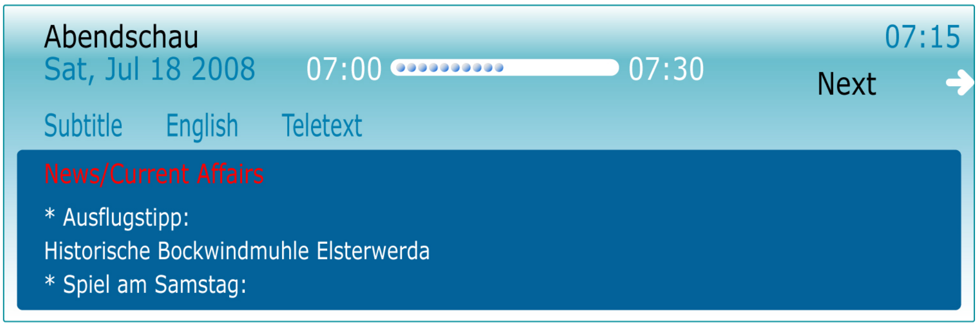
Repeatedly press the **TV/DTV** key to switch between TV/DTV. When pressed in other input source, it will automatically direct to TV source.

INFO

To display the current information of the LCD TV:
Press **INFO**, and the banner displays the program No., current time, program name, teletext info, etc. When in ATV mode, the displayed items may be different.

Note: *The favorite channel icon will not be displayed in the channel banner.*

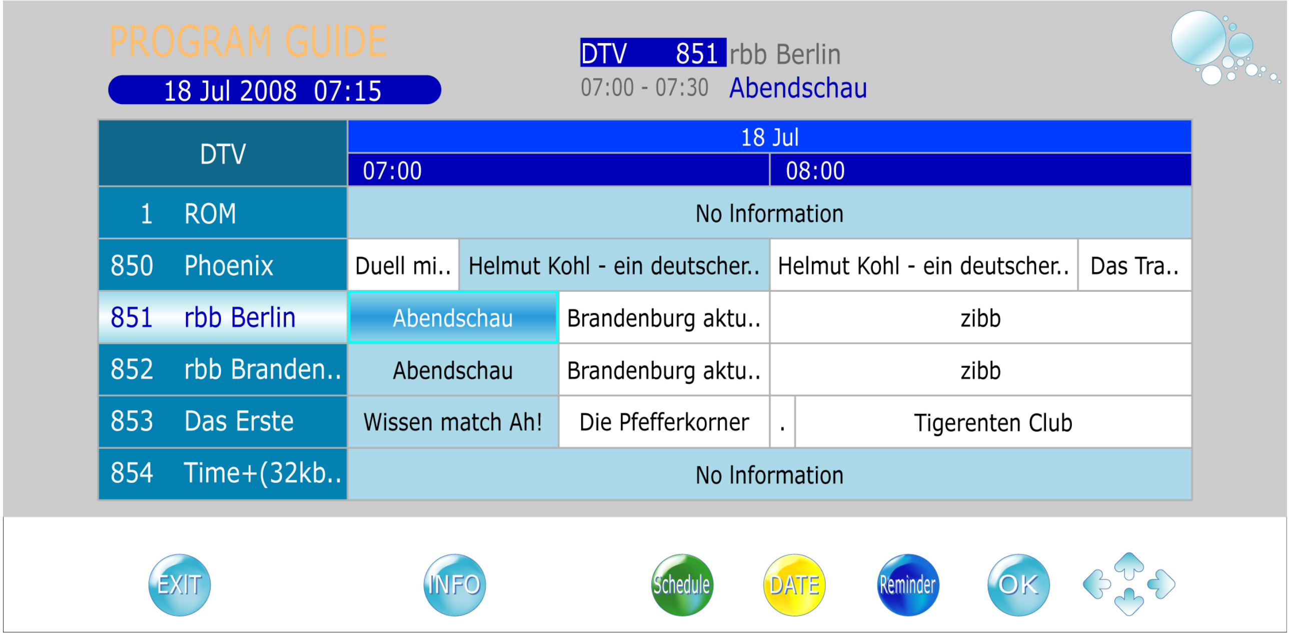

851
rbb Berlin
DTV
SD MPEG


Abendschau
07:15
Sat, Jul 18 2008
07:00
07:30
Next
Subtitle
English
Teletext
News/Current Affairs

* Ausflugstipp:
Historische Bockwindmuhle Elsterwerda
* Spiel am Samstag:

Electronic Program Guide (EPG)

Press the **GUIDE** button to display the Electronic Program Guide.
Press the ▲ or ▼ button to scroll up or down the channels, ◄ or ► to change time period. To change date, press the **Yellow** key first, and then select date with ◄ or ►. You can also pause at a channel and press the **INFO** key to view the detailed program information, or press **OK** to switch to that program directly. You can also add a reminder on a program by pressing the **Blue** button. When the reminder event is about to start, a window will appear to remind you for watching. To check the programs you've added by Reminder, press the **Green** key to display the **SCHEDULE LIST**. To delete a Reminder, select with ▲ or ▼ and press the **Red** key. Press the **EXIT** button to exit Electronic Program Guide.



PROGRAM GUIDE

18 Jul 2008 07:15

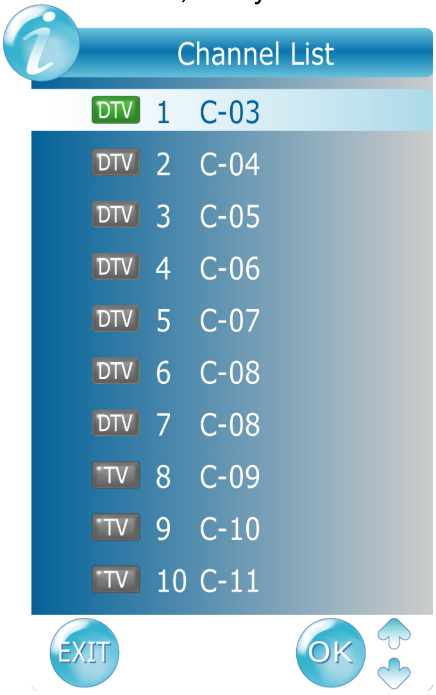
DTV 851 rbb Berlin

07:00 - 07:30 Abendschau

DTV	18 Jul			
	07:00		08:00	
1 ROM	No Information			
850 Phoenix	Duell mi..	Helmut Kohl - ein deutscher..	Helmut Kohl - ein deutscher..	Das Tra..
851 rbb Berlin	Abendschau	Brandenburg aktu..	zibb	
852 rbb Branden..	Abendschau	Brandenburg aktu..	zibb	
853 Das Erste	Wissen match Ah!	Die Pfefferkorner	.	Tigerenten Club
854 Time+(32kb..	No Information			

Channel List

Press the **LIST** button and the **Channel List** will be displayed. Press **OK** key on the channel you wish to watch, and you can be directed to that channel immediately.

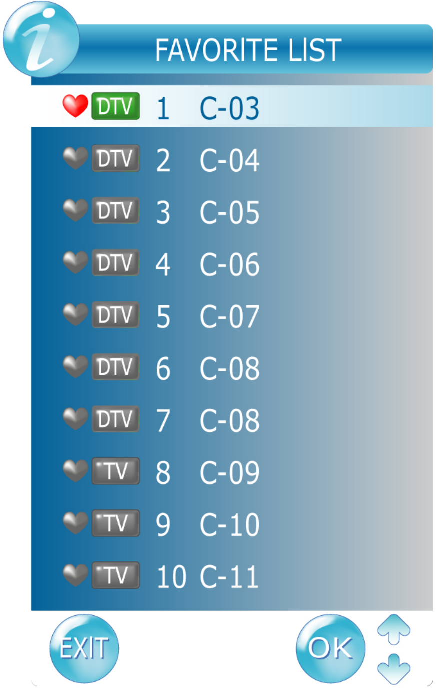


Channel List

DTV 1 C-03
DTV 2 C-04
DTV 3 C-05
DTV 4 C-06
DTV 5 C-07
DTV 6 C-08
DTV 7 C-08
TV 8 C-09
TV 9 C-10
TV 10 C-11

Favorite List

Press **FAVORITE** key to display the favorite channels you've added to the **FAVORITE LIST**. You can use ▲ or ▼ to select a favorite channel, and then press **OK** to direct to that channel immediately. To set up favorite channels, select the **Program Edit** function in **CHANNEL** menu.


FAVORITE LIST
DTV 1 C-03
DTV 2 C-04
DTV 3 C-05
DTV 4 C-06
DTV 5 C-07
DTV 6 C-08
DTV 7 C-08
TV 8 C-09
TV 9 C-10
TV 10 C-11
EXIT
OK

Using the OSD Menu

You are able to use OSD menus to adjust various settings by using your remote control or menu button on the bottom of the LCD TV.
The basic operation is as following:

- Press **MENU** to display OSD menu.
- Use ◄► to select OSD menu page.
- Press ▼ to enter the OSD menu page.
- Use ▲▼ to select the optional item you want to adjust.
- Press ◄► to adjust levels or select the items.
- If the item is marked with ►, press ► to display the sub-menu or enable the function.
- Press **MENU** again to exit current OSD page.
- Use **RED/GREEN/YELLOW/BLUE** button to perform special functions.

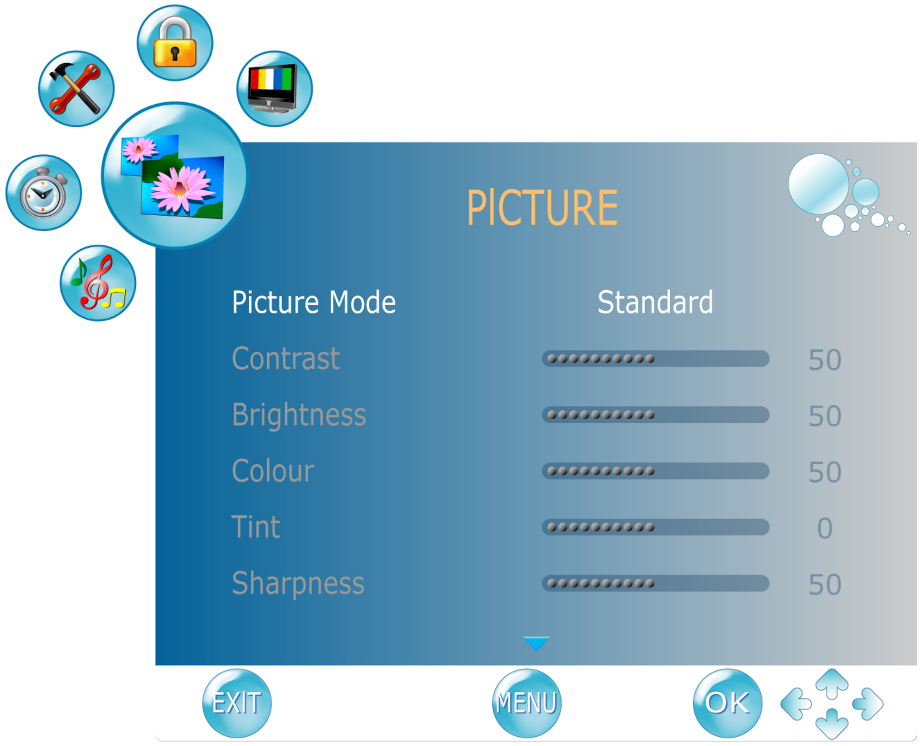
ADVANCED OPERATION—OSD MENU

You can use the OSD menu to adjust various settings for your LCD TV.
Press the **MENU** button to display the OSD Menu, and use ▲▼ to select the desired OSD menu.

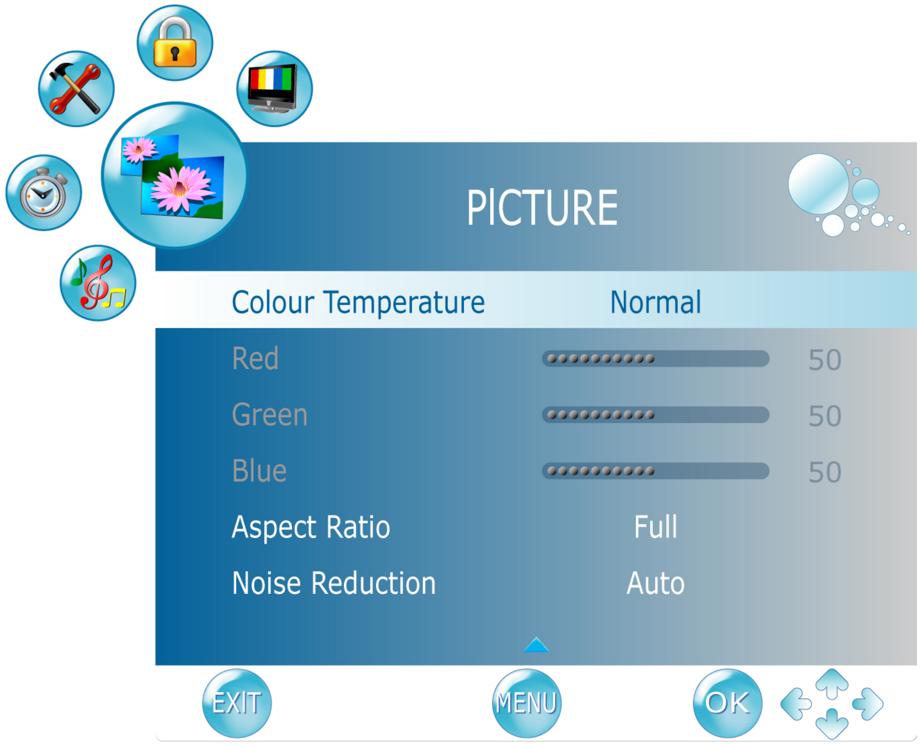
Picture Menu

—To adjust the picture quality

In ATV, DTV, AV, S-Video, SCART, YPbPr, HDMI source:



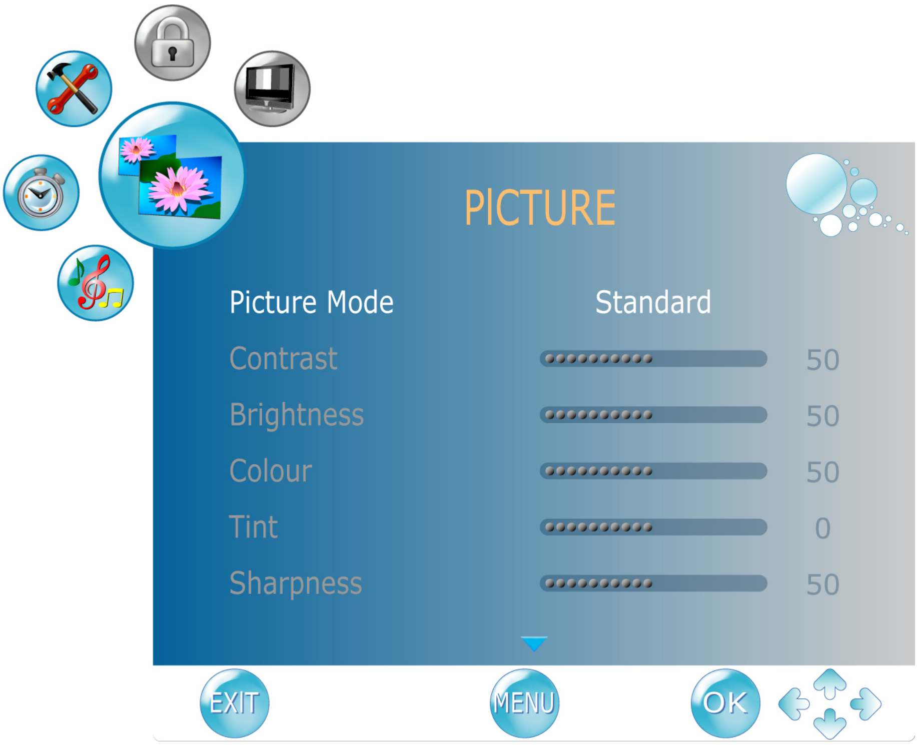
Picture Mode	Standard
Contrast	50
Brightness	50
Colour	50
Tint	0
Sharpness	50



Colour Temperature	Normal
Red	50
Green	50
Blue	50
Aspect Ratio	Full
Noise Reduction	Auto

Note: *The LOCK and CHANNEL menu icons are only enabled in ATV and DTV source.*

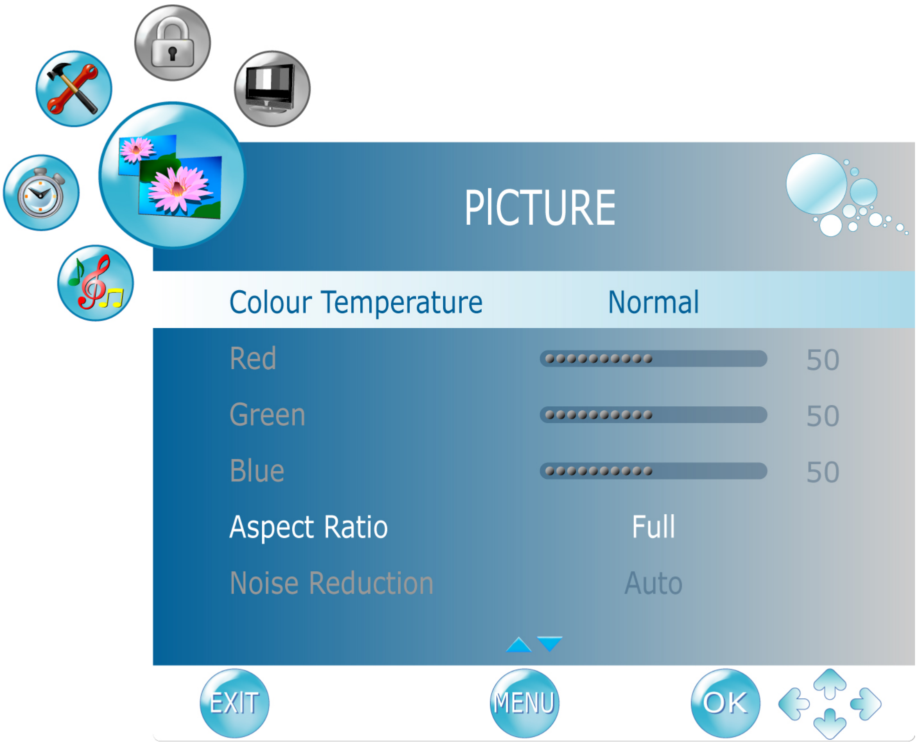
In VGA source:



PICTURE

Picture Mode	Standard
Contrast	50
Brightness	50
Colour	50
Tint	0
Sharpness	50

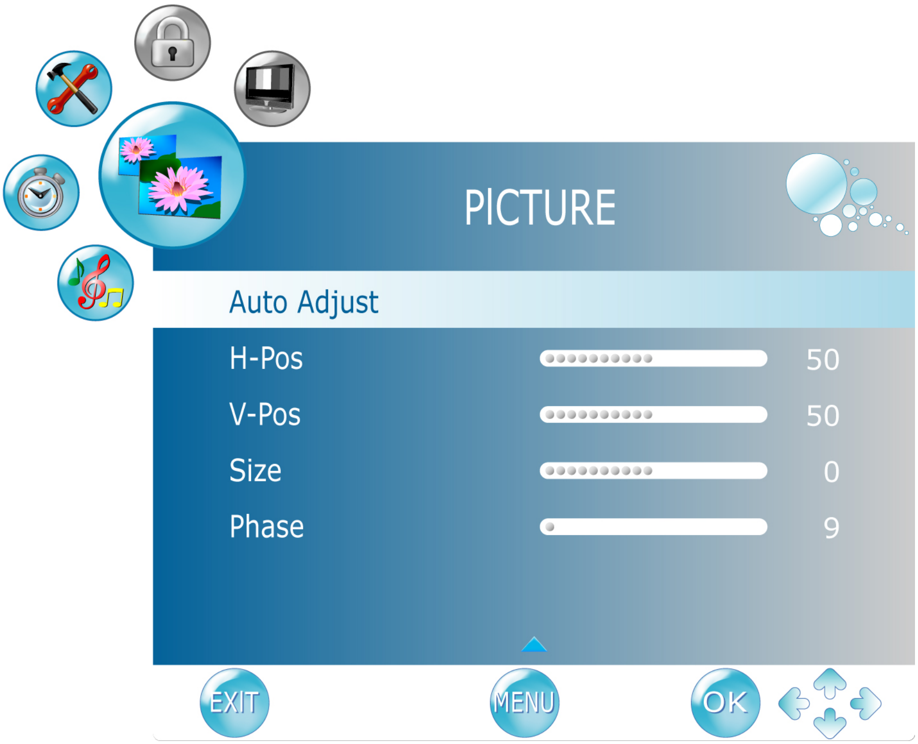
EXIT
MENU
OK



PICTURE

Colour Temperature	Normal
Red	50
Green	50
Blue	50
Aspect Ratio	Full
Noise Reduction	Auto

EXIT
MENU
OK



H-Pos 50

V-Pos 50

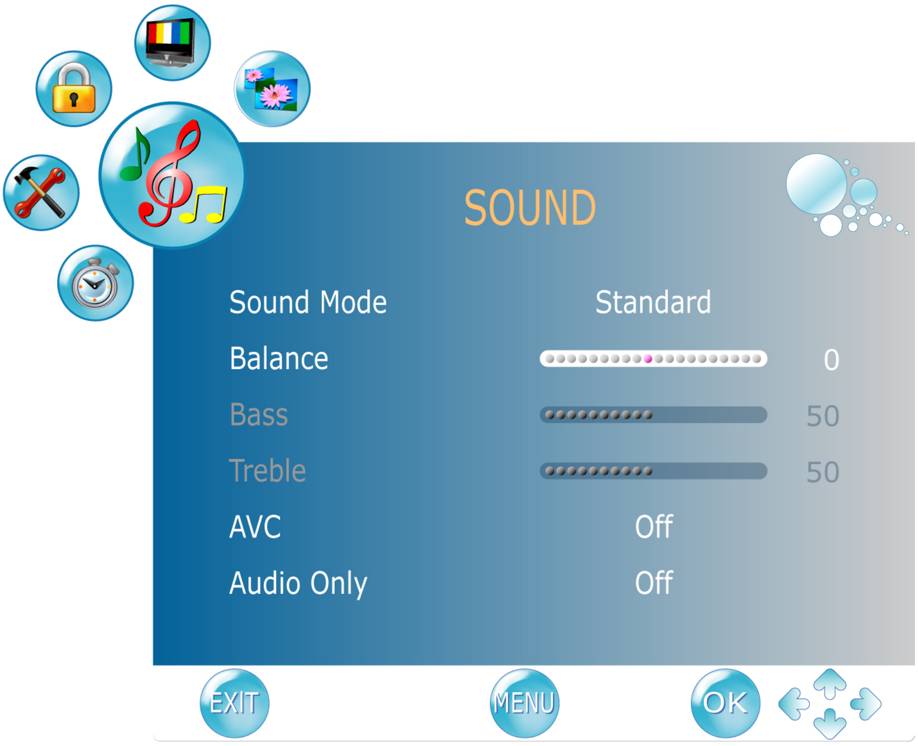
Size 0

Phase 9

- **Picture Mode:** To select picture mode between Standard, Mild, User, and Dynamic. When user is selected, you can adjust the level of Contrast, Brightness, Colour, Tint, and Sharpness separately.
- **Contrast:** To adjust contrast of video.
- **Brightness:** To adjust luminance of video.
- **Colour:** To adjust colour.
- **Tint:** To adjust tint level.
- **Sharpness:** To adjust picture sharpness.
- **Colour Temperature:** To select Colour Temperature from Normal, Cool, User, and Warm with ◄►. When User is selected, you can adjust the level of Red, Green, and Blue separately.
- **Aspect Ratio:** To select image size between Full, Zoom, Subtitle, Panorama, Underscan (or Auto), and Normal with ◄►. You can select "UnderScan" to switch image to full screen when in HDMI source.
- **Noise Reduction:** To reduce the noise level of connected equipment.
- **Auto Adjust:** Auto adjust to optimize the display position and phase of the picture when the TV connected to PC. Note that Auto Adjust does only work well with VGA (D-sub 15) input signals.
- **H-Pos:** To adjust the horizontal position of the picture.
- **V-Pos:** To adjust the vertical position of the picture.
- **Size:** To adjust the size of the picture.
- **Phase:** To adjust delay time of phase in order to reduce the noise of picture.

SOUND Menu

—To set the audio quality and status



SOUND

Sound Mode Standard

Balance 0

Bass 50

Treble 50

AVC Off

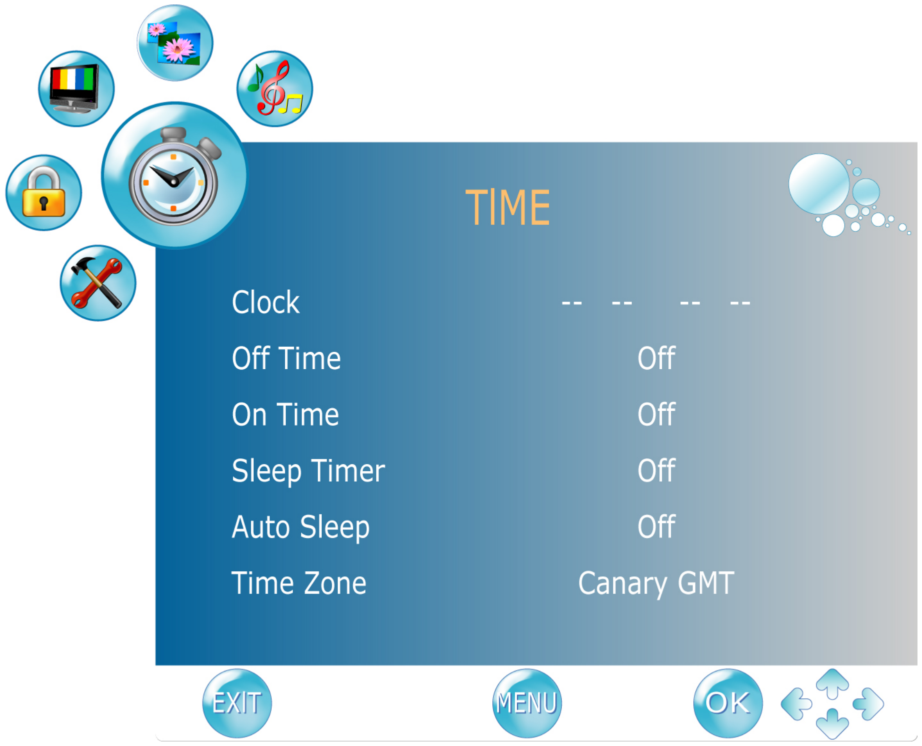
Audio Only Off

Note: *The LOCK and CHANNEL menu icons are only enabled in ATV and DTV source.*

- **Sound Mode:** To select the sound mode between Standard, Music, Movie, Sports, and User. When User is selected, you can adjust the level of Bass and Treble separately.
- **Balance:** To adjust the left and right audio balance.
- **Bass:** To adjust the bass.
- **Treble:** To adjust the treble.
- **AVC:** To turn on/ off AVC (automatic volume control) function.
- **Audio Only:** To turn off the screen picture but keep the sound on.

TIME Menu

—To set up time zone



Clock -- -- -- --
Off Time Off
On Time Off
Sleep Timer Off
Auto Sleep Off
Time Zone Canary GMT

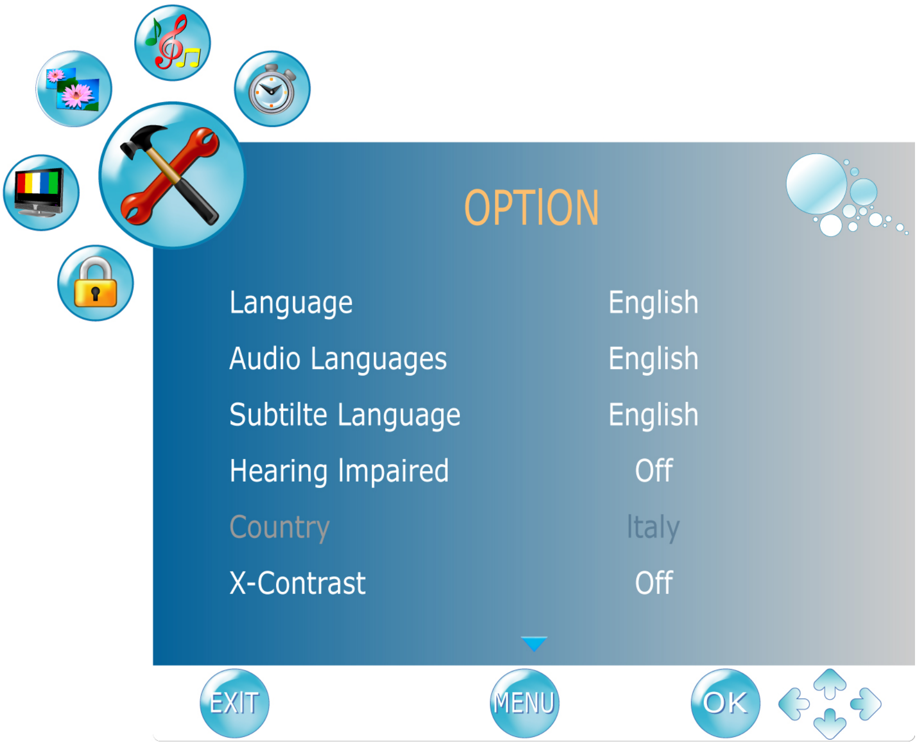
Note: *The LOCK and CHANNEL menu icons are only enabled in ATV and DTV source.*

- **Clock:** To adjust the current time. Press ► to enter sub-menu. Press ▲▼ to select Date, Month, Year, Hour and Minute, and press ◄► to set current time. When you complete the adjustment, move to Close and press **OK** to save the result.
- **Off Time:** To set a regular turn-off time. Press ► to enter sub-menu. Press ▲▼ to select Repeat, Hour, Minute, and press ◄► to set the time you want the unit to be turned off.
- **On Time:** To set a regular turn-on time. Press ► to enter sub-menu. Press ▲▼ to select Activate, Hour, Minute, Volume, Mode, and press ◄► to set the time you want the unit to be turned on.
- **Sleep Timer:** Off, 10min, 20min, 30min, 60min, 90min, 120min, 180min, 240min.
- **Auto Sleep:** If enabled, the TV will automatically turn into sleep mode after 10 minutes if there is no remote action and no signal received. (OSD menu must be off)
- **Time Zone:** To select the correct Time Zone for your area.

OPTION Menu

—To adjust OSD setting

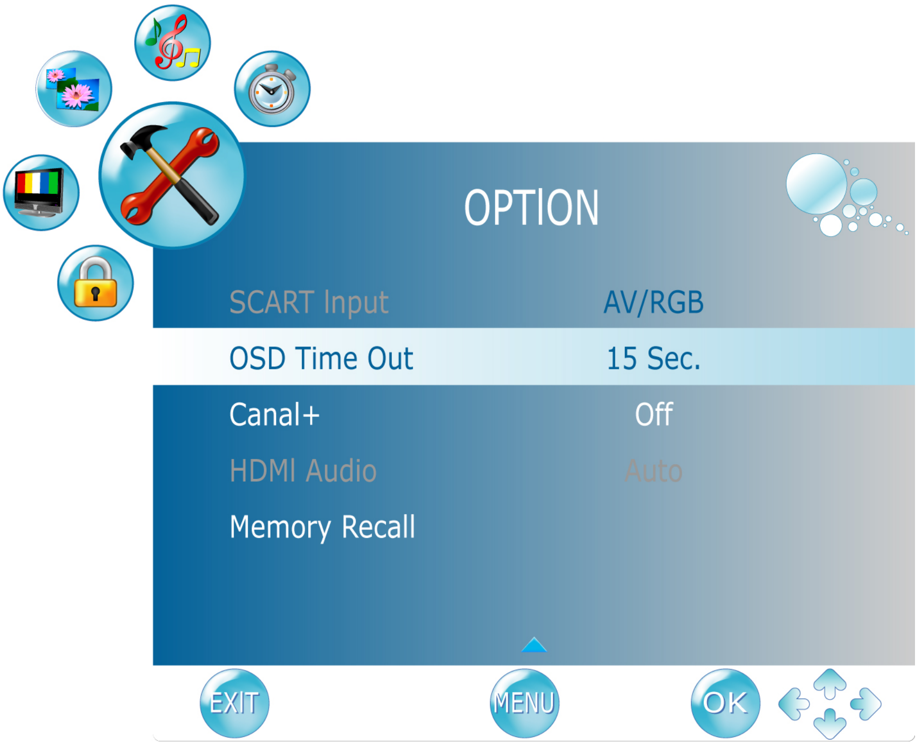
In DTV source:



OPTION

Language	English
Audio Languages	English
Subtilte Language	English
Hearing Impaired	Off
Country	Italy
X-Contrast	Off

Note: *When in AV, S-Video, SCART, YPbPr, VGA, HDMI source, Audio Languages, Subtitle Language, and Hearing Impaired will be disabled. Also, the LOCK and CHANNEL menu icons will be disabled.*



OPTION

SCART Input	AV/RGB
OSD Time Out	15 Sec.
Canal+	Off
HDMI Audio	Auto
Memory Recall	

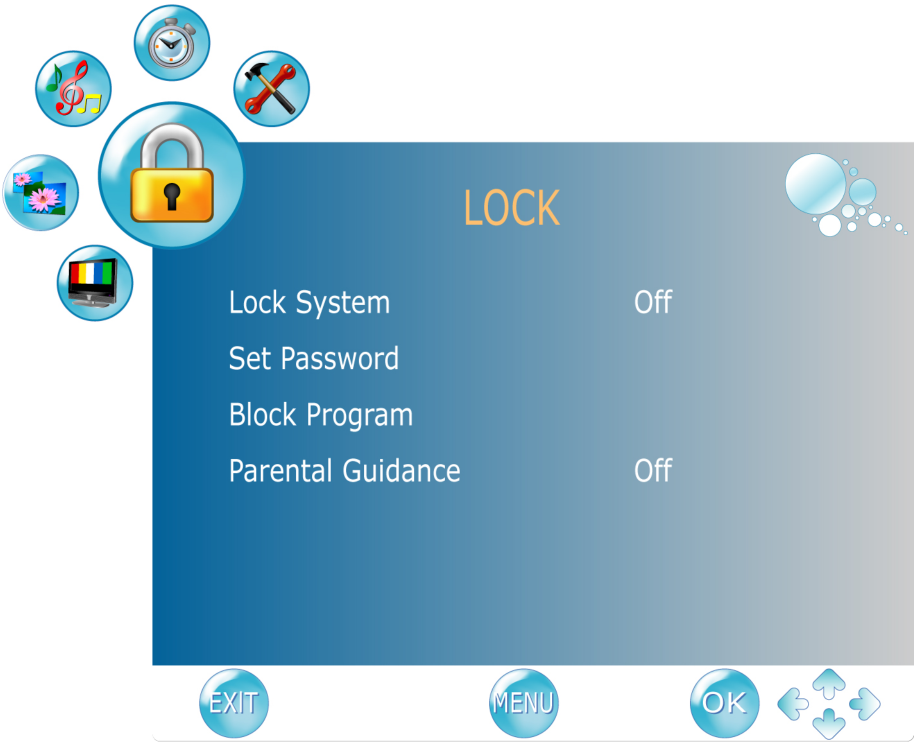
- **Language:** To select the OSD language between English, Spanish, French, Italian, Dutch, Portuguese, Finnish, Swedish, and German with ◄►.

- **Audio Languages:** Set the primary and secondary audio languages for watching program. (only available in DTV)
- **Subtitle Language:** Set the primary and secondary subtitle languages for displaying subtitle. (only available in DTV)
- **Hearing Impaired:** To provide close-captioning function for the hearing impaired, if the program provides it. (only available in DTV)
- **Country:** To display the country selected in **Auto Tuning** function.
- **X-Contrast:** To turn on X-contrast to enhance the picture contrast ratio.
- **SCART Input:** To select SCART Input. (only enabled in SCART source)
- **OSD Time Out:** To automatically shut off the OSD after a preset period of time passed. Use ◄►to preset the time from 10 to 60 seconds. To keep the OSD on, select OFF.
- **Canal+:** To enable SCART connector to support Canal+ Set Top Box (available in French). For normal SCART function, please select OFF.
  Note: *The Canal+ function is available only when the input source is SCART.*
- **HDMI Audio:** To select Auto, PC In, HDMI as the audio output source. If Auto is selected, the optimum source will be automatically selected. Only enabled in HDMI source.
- **Memory Recall:** To recall factory setting condition. Press ► to recall all settings.

LOCK Menu

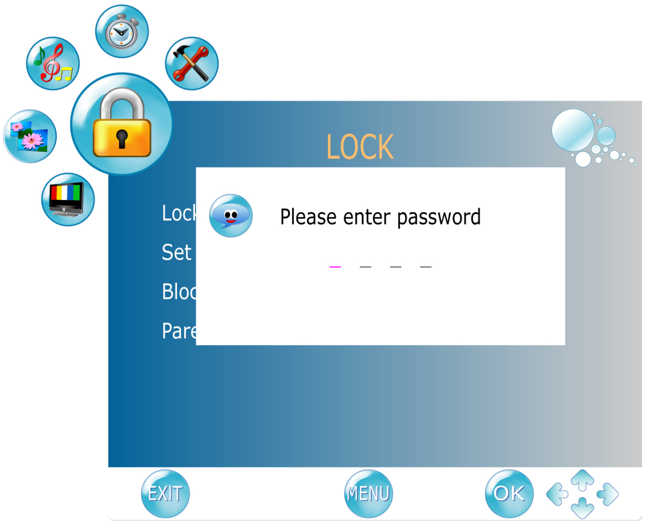
—To set up parental control

It is only active in TV source.



Lock System Off
Set Password
Block Program
Parental Guidance Off

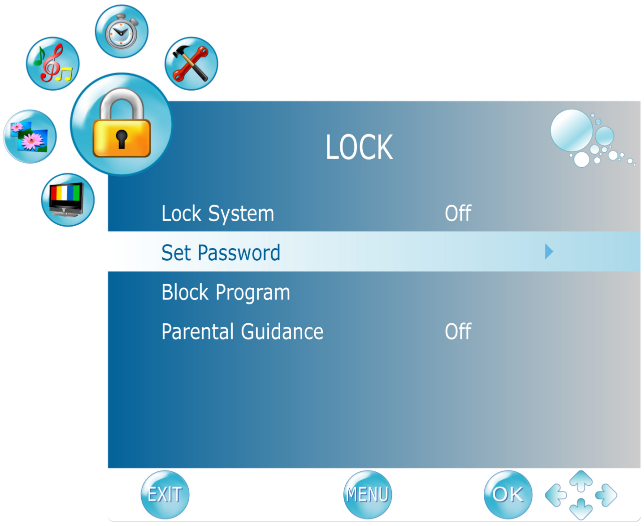
To access the LOCK Menu, enter the 4-digit number password.
The factory default password is 0000.


LOCK
Lock
Set
Bloc
Pare
EXIT
MENU
OK

Please enter password

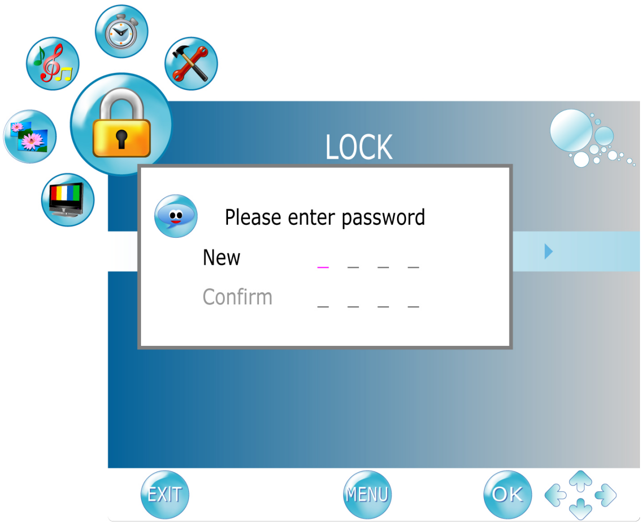
_ _ _ _

- **Lock System**: If enabled, a password is required for access to the Auto Tuning, DTV Manual Tuning, ATV Manual Tuning and Program Edit in Channel menu.
- **Set Password:** To change the password, press ►. Enter the new password, and confirm by entering it again.


LOCK
Set Password
Block Program
EXIT
MENU
OK

Lock System Off

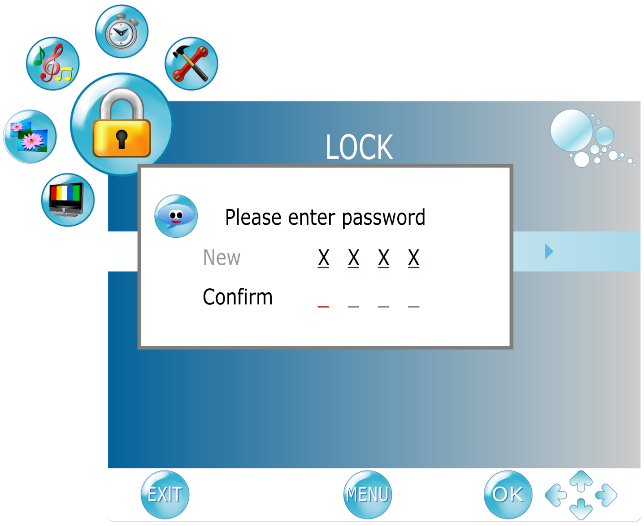
Parental Guidance Off


LOCK
EXIT
MENU
OK

Please enter password

New _ _ _ _

Confirm _ _ _ _

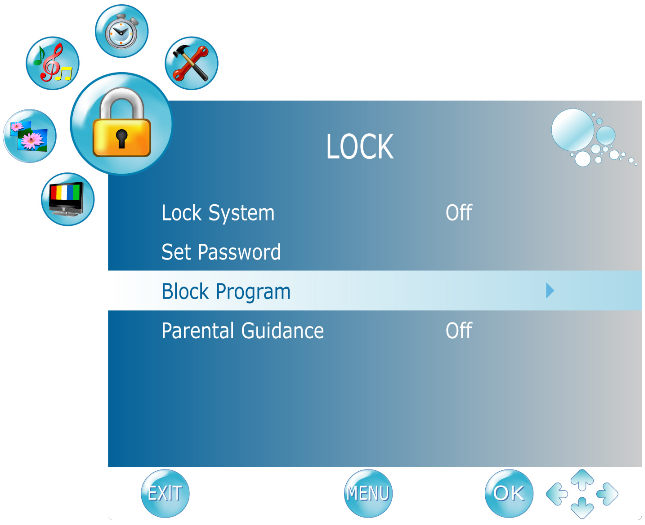

LOCK
EXIT
MENU
OK

Please enter password

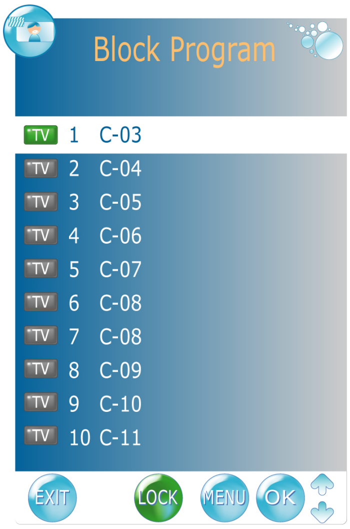
New X X X X

Confirm _ _ _ _

- **Block Program:** To set the program to be blocked. Press ►. Select the program you want to block, and press Green key on it. To watch the blocked program, the password is required.


LOCK
EXIT
MENU
OK

Lock System Off
Set Password
Block Program
Parental Guidance Off


Block Program
EXIT
LOCK
MENU
OK

TV 1 C-03
TV 2 C-04
TV 3 C-05
TV 4 C-06
TV 5 C-07
TV 6 C-08
TV 7 C-08
TV 8 C-09
TV 9 C-10
TV 10 C-11

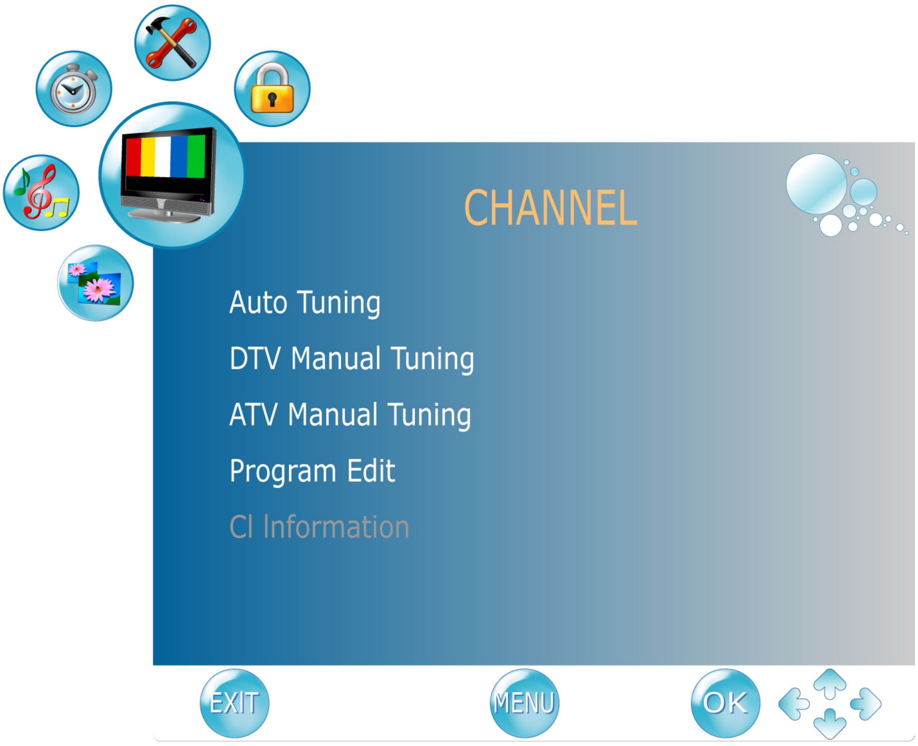
- **Parental Guidance:** To set the rating level of the programs. If the rating of the displayed program is higher than the rating set in the Parental Guidance, the program will be locked.

CHANNEL Menu

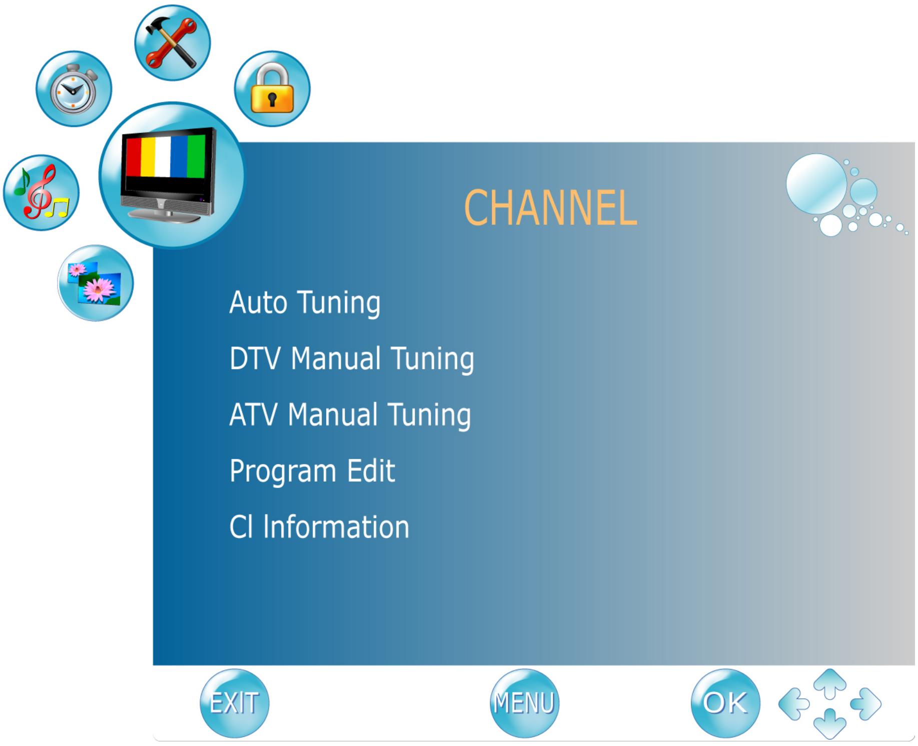
—To set up for TV

It is only active in TV source.

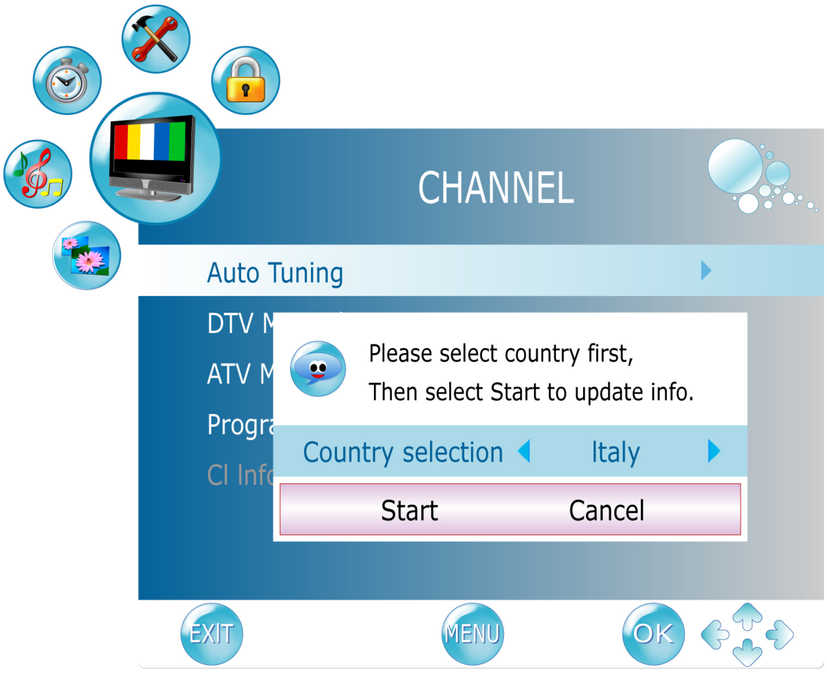
In ATV source:


CHANNEL
Auto Tuning
DTV Manual Tuning
ATV Manual Tuning
Program Edit
CI Information
EXIT
MENU
OK

In DTV source:

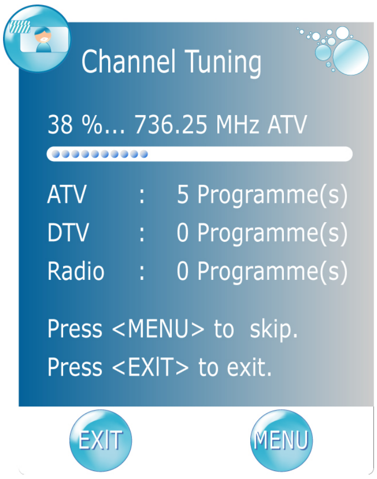

CHANNEL
Auto Tuning
DTV Manual Tuning
ATV Manual Tuning
Program Edit
CI Information
EXIT
MENU
OK

- **Auto Tuning:** To automatically preset the channels into TV’s memory. Select the country of your area with ◄►, select Start, and then press **OK** to perform **Auto Tuning**. Kindly suggest you auto scan all the channels before watching your TV for the first time.


CHANNEL
Auto Tuning
DTV M
ATV M
Progra
CI Info
Start
Cancel
EXIT
MENU
OK

Please select country first,
Then select Start to update info.

Country selection ◄ Italy ►


Channel Tuning
EXIT
MENU

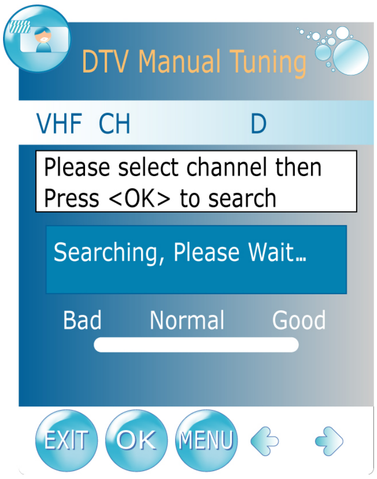
38 %... 736.25 MHz ATV

ATV : 5 Programme(s)
DTV : 0 Programme(s)
Radio : 0 Programme(s)

Press <MENU> to skip.
Press <EXIT> to exit.

Note: *After auto scanning all the channels, you need not to do it again when turning on your TV next time.*

- **DTV Manual Tuning:** Press ◄► to select the channel, then press **OK** to start scan.



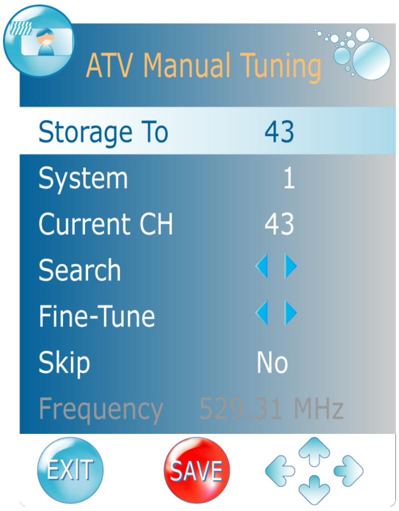
DTV Manual Tuning

VHF CH D

Please select channel then
Press <OK> to search

Searching, Please Wait…

- **ATV Manual Tuning:** Press the ▲▼ to select the items, and press the ◄► button to adjust. See details in the following sub-options.



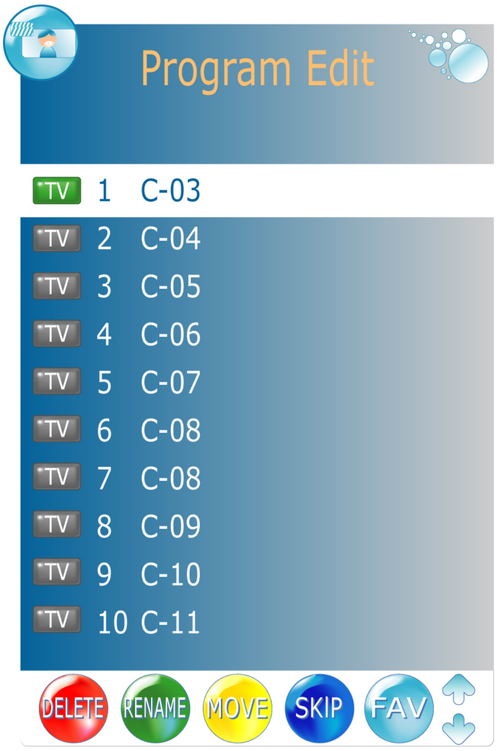
ATV Manual Tuning

Storage To 43
System 1
Current CH 43
Search ◄►
Fine-Tune ◄►
Skip No
Frequency 529.31 MHz

♦ **Storage to:** Press ◄► to select the channel number you want to save to.
♦ **System:** Press ◄► to select the TV sound system.
♦ **Current CH:** Press ◄► to select the current channel.
♦ **Search:** Press ◄► to search backward/forward.
Press **MENU** or **EXIT** to stop the program searching.
♦ **Fine-Tune:** Press ◄► to fine tuning when the signal level of the current channel is weak.
♦ **Skip:** Press ◄► to turn on/off the switch of skip. When it's set to Yes, the current channel will be skipped when you switch channels by pressing **PROG** ▲▼ buttons.
When completed, press **Red** key to save the result.

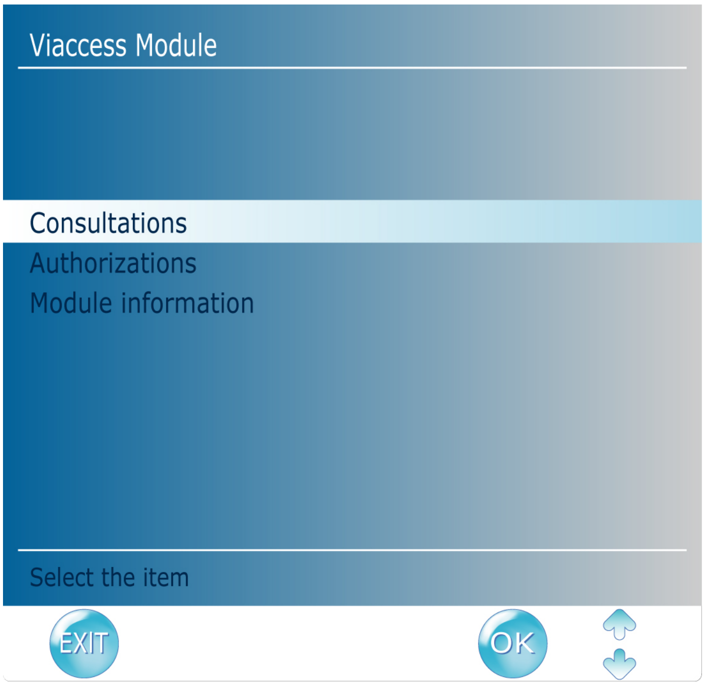
Note: *It is possible to overwrite the Favorite channels by using manual tuning functions.*

Program Edit: Press ► to enter Program Edit.

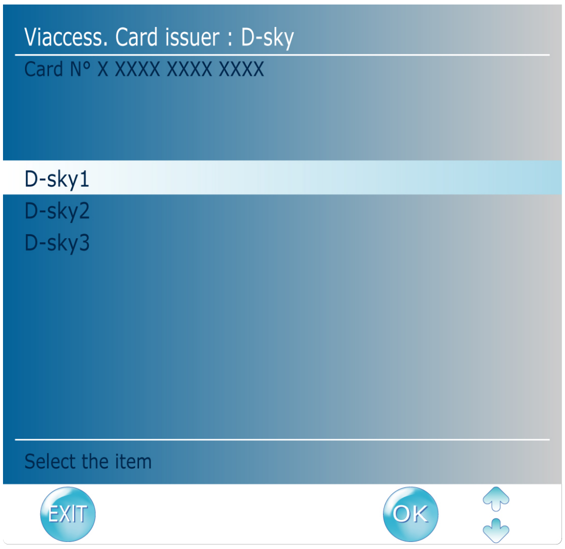

Program Edit
TV 1 C-03
TV 2 C-04
TV 3 C-05
TV 4 C-06
TV 5 C-07
TV 6 C-08
TV 7 C-08
TV 8 C-09
TV 9 C-10
TV 10 C-11
DELETE
RENAME
MOVE
SKIP
FAV

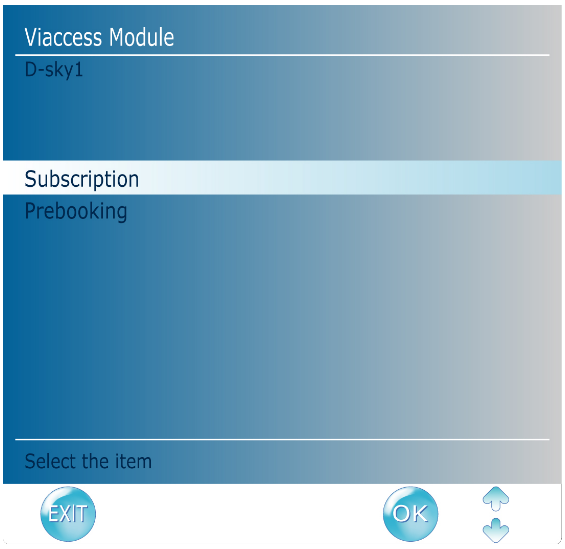
- **Delete:** Press ▲▼ to select a channel, and then press the **Red** key. Press **Red** key again to confirm deletion. The channel you deleted will not be shown when browsing through the channels with **PROG**▲▼ keys. To reappear them, use the Auto Tuning function.
- **Rename**: Press ▲▼ to select a channel, and then press the **Green** key. Use ▲▼◄► to edit the name. When completed, press **Green** key again. (This function is only enabled for ATV.)
- **Move:** Press ▲▼ to select a channel, and then press the **Yellow** key. Select the other channel you want to exchange place with, and press **Yellow** key again. (This function is only enabled for ATV.)
- **Skip:** Press ▲▼ to select a channel, and then press the **Blue** key. The channel will be marked with SKIP.
- The skipped channel will not be displayed when you browse through the channels with **PROG**▲▼ keys. To access the channel, input the channel number with number keys directly.
- **Favorite:** Press ▲▼ to select a channel, and then press **FAVORITE** key. The channel will be added to the **FAVORITE LIST**.

- **CI Information:** To check the CI information, the CI (CAM) Card must be plugged in. Press ► to enter CAM Menu.
  Note: *The OSD is only for illustration and the menu options and screen format will vary according to the services provider.*
  The most common seen CI Cards that have been tested so far include VIACCESS (PCMCIA), Magic Module, Digital Conax, Irdeto Access, ZetaCAM, Irdeto smit, VIACCESS (LG.FT3/3), Boxer (VIACCESS), NoVEL-TONGFANG, TopUp TV, CANAL+ CANALSAT, Irdeto Access (EpsilonCard), all of which can be used in this TV.

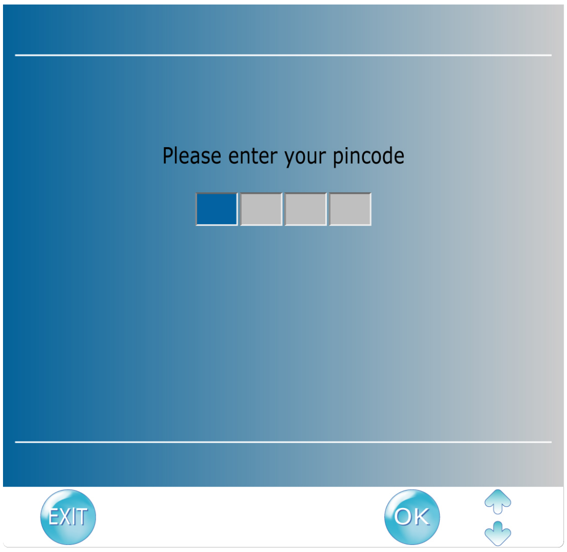

Viaccess Module
Consultations
Authorizations
Module information
Select the item
EXIT
OK

◆ **Consultations:** Press **OK** to check subscription and card information.

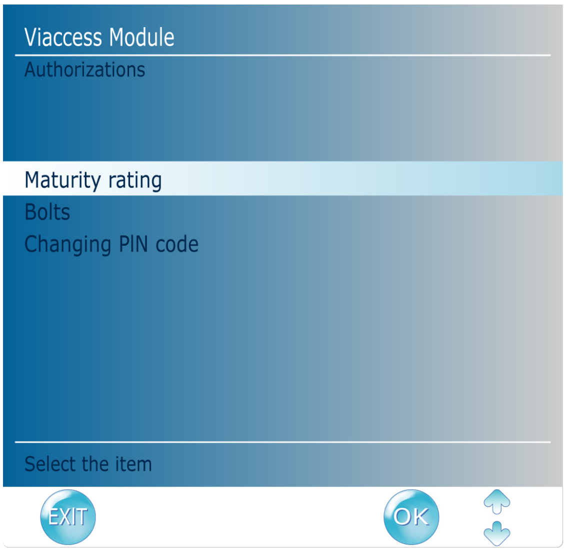

Viaccess. Card issuer : D-sky
Card N° X XXXX XXXX XXXX
D-sky1
D-sky2
D-sky3
Select the item
EXIT
OK


Viaccess Module
D-sky1
Subscription
Prebooking
Select the item
EXIT
OK

◆ **Authorizations:** Enter the factory default 4-digit pincode, then press **OK**. Pincode will vary according to services provider.



Please enter your pincode

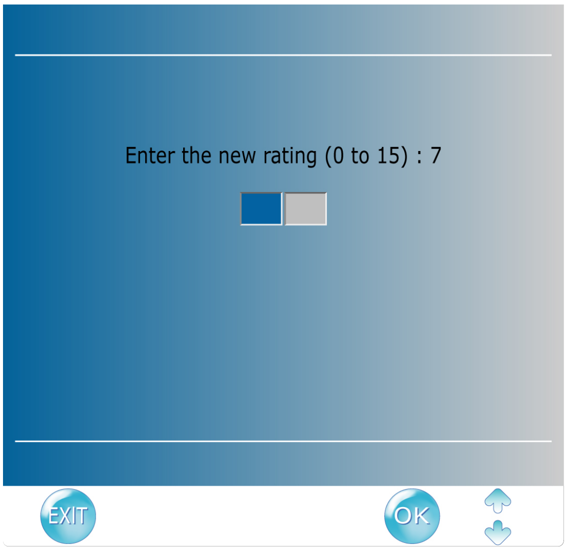


Viaccess Module
Authorizations
Maturity rating
Bolts
Changing PIN code

Select the item

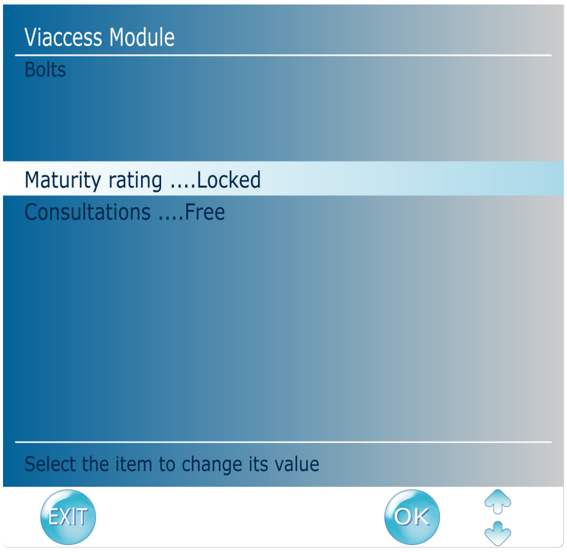
EXIT
OK

- **Maturity rating:** Enter the maturity rating you want, then press **OK**.



Enter the new rating (0 to 15) : 7

- **Bolts:** Select Maturity rating or Consultations, then press **OK** to switch between Free and Locked.



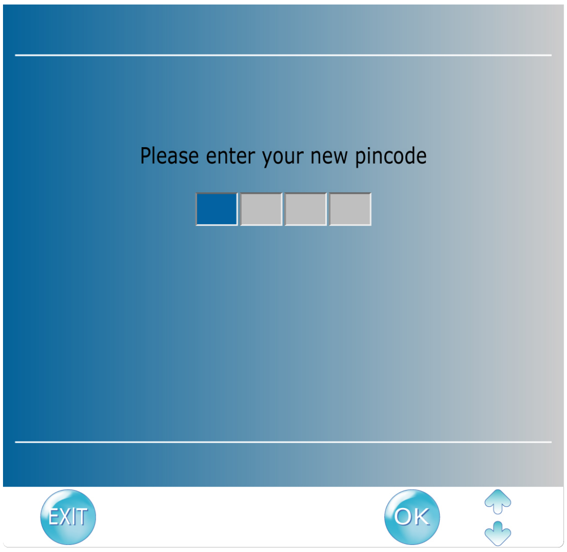
Viaccess Module
Bolts

Maturity rating ....Locked
Consultations ....Free

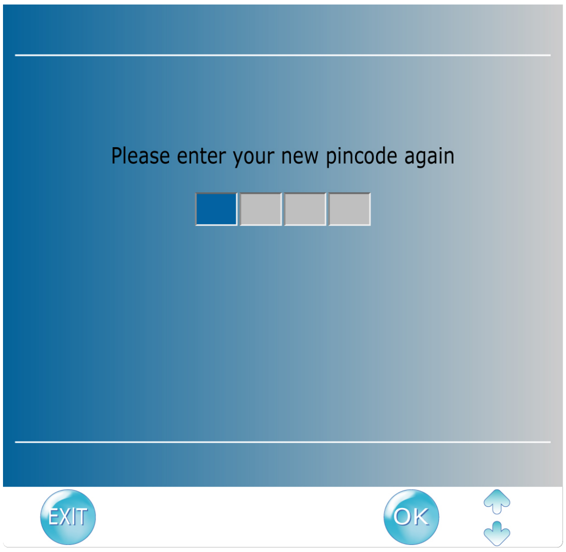
Select the item to change its value

EXIT
OK

- **Changing PIN code:** To change the pincode for entering Authorization menu. Enter your new pincode and press **OK**, then repeat again to confirm.

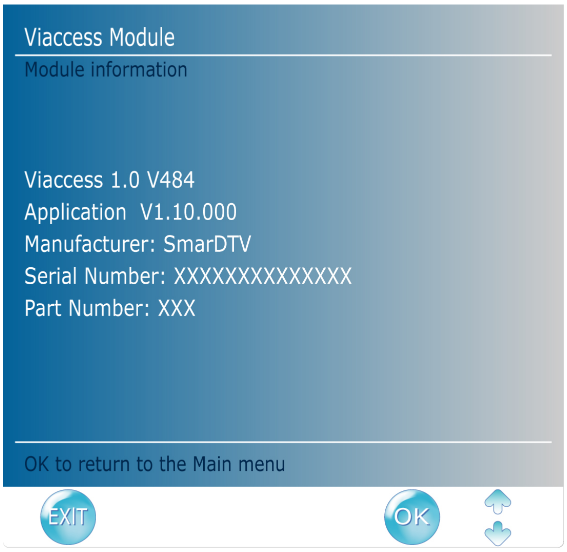


Please enter your new pincode



Please enter your new pincode again

◆ **Module information:** Press **OK** to display module information.



Viaccess Module

Module information

Viaccess 1.0 V484
Application V1.10.000
Manufacturer: SmarDTV
Serial Number: XXXXXXXXXXXXXX
Part Number: XXX

OK to return to the Main menu

TECHNICAL INFORMATION

LCD	Type	19.0" TFT Active Matrix 0.2835 (H) x 0.2835 (V) mm pixel pitch
	Colour Filter	RGB vertical stripe
	Glass surface	Anti-Glare
Input signal	RGB	RGB analog (0.7/1.0 Vp-p, 75 ohms) Separate Sync, fh: 30-82 kHz, fv:55-76 Hz
	RF	TV system Antenna - PAL / SECAM and DVB-T
	Video	1 composite RCA, 1 S-Video, 1 SCART, 1 HDMI, 1 YPbPr component,
	Audio	1 mini-stereo, 1 pair of RCA (L/R) stereo
Compatibility	PC	Up to 1440 x 900 Non-interlaced
Resolution	Recommended and supported	1440 x 900 @ 60 Hz 1152 x 864 @ 75 Hz 1280 x 1024 @ 60, 75 Hz 1024 x 768 @ 60, 75 Hz 800 x 600 @ 60, 75 Hz 640 x 480 @ 60, 75 Hz
Speaker Output		2.5W x 2 @THD≤10%
Audio Output		1 mini-stereo
Power	Voltage	100-240 VAC, 50/60 Hz (auto switch)
Display area	Full Scan	408.24 mm (H) x 255.15 mm (V) 16.1" (H) x 10.0" (V)
Operating conditions	Temperature	32°F to + 104°F (0°C to + 40°C)
	Humidity	10% to 65% (no condensation)
	Altitude	To 6,562 feet (2,000m)
Storage condition	Temperature	-4°F to + 140°F (-20°C to + 60°C)
	Humidity	10% to 90% (no condensation)
	Altitude	To 40,000 feet (12,000m)
Dimensions	Physical	443.0mm (W) x 379.1mm (H) x 212.8mm (D) 17.4'' (W) x 14.9'' (H) x 8.4'' (D)
Weight	Net	5.4 kg (11.8 lb)
Regulations		CE, CB, TÜV/Bauart, Energy Star, GOST-R
Power saving modes	On	< 50 W (green LED)
	Active Off	< 1 W (red LED)
Preset Timing Mode (Pre-adjusted to GTF® 1440 x 900 @ 60 Hz) **Warning:** Do not set the graphics card in your computer to exceed these refresh rates; doing so may result in permanent damage to the LCD TV		

The following timing pairs have the same HSYNC and HP/VP. System can't determine the correct timing. Please press and hold keypad **MENU** button then press **CH-** Key to switch between timings: "640x400 and 720x400, 1440x900 and 1152x900"

SAFETY PRECAUTIONS

This LCD TV is manufactured and tested on a ground principle that a user's safety comes first. However, improper use or installation may result danger to the LCD TV as well as to the user. Carefully go over the following WARNINGS before installation and keep this guide handy.

Warnings

- This LCD TV should be operated only at the correct power sources indicated on the label on the rear end of the LCD TV. If you are unsure of the power supply in your residence, consult your local dealer or power company.
- Do not try to repair the LCD TV by yourself as it contains no user-serviceable parts. The LCD TV should be repaired by a qualified technician only.
- Do not remove the LCD TV cabinet. There is high-voltage parts inside that may cause electric shock to human bodies, even when the power cord is disconnected.
- Stop using the LCD TV if the cabinet is damaged. Have it checked by a service technician.
- Put your LCD TV only in a clean dry environment. Unplug the LCD TV immediately if it gets wet, and consult your service technician.
- Always unplug the LCD TV before cleaning it. Clean the cabinet with a clean dry cloth. Apply non-ammonia based cleaner onto the cloth, not directly onto the glass screen.
- Keep the LCD TV away from magnetic objects, motors, TV sets, and transformer.
- Do not place heavy objects on the cable or power cord.
- For PLUG CABLE EQUIPMENT, the Socket-outlet shall be installed near the equipment and shall be easily accessible.

CARE AND MAINTENANCE

Care

- Avoid exposing your LCD TV directly to sunlight or other heat source. Place your LCD TV away from the sunlight to reduce glare.
- Put your LCD TV in a well ventilated area.
- Do not place anything heavy on top of your LCD TV.
- Make certain your LCD TV is installed in a clean and moisture-free area.
- Keep your LCD TV away from magnets, motors, transformers, speakers, and other TV sets.

Safety Tips

- If smoke, abnormal noise or odor appears to arise from your LCD TV. Remove the power cord immediately and call your service center.
- CAUTION-Never remove the rear cover of your LCD TV cabinet. The display unit inside contains high-voltage and may cause electric shock to human bodies.
- Never try to repair your LCD TV yourself. Always call your authorized service center or a qualified technician to fix it.

TROUBLESHOOTING

No Power

- Make sure A/C power cord is securely connected to the power supply is firmly connected to the TV.
- Plug another electrical device into the power outlet to verify the outlet is working.

Power on but no screen image

- Make sure the video cables are tightly secured.
- You have selected the correct video input.
- Adjust brightness.
- Make sure all cables are installed.

Wrong or abnormal colours

- If any colours (red, green, blue) are missing, check the video cable to make sure it is securely connected. Loose or broken pins in the cable connector could cause an improper connection.
- Connect the TV unit to another video source or use another TVs to make sure the video source is no problem.

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